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►B REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL  
 of 30 November 2009  
 on cosmetic products  
 (recast)  
 (Text with EEA relevance)  
 (OJ L 342, 22.12.2009, p. 59)

Amended by:

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► <u>M1</u>	Commission Regulation (EU) No 344/2013 of 4 April 2013	L 114	1	25.4.2013
► <u>M2</u>	Commission Regulation (EU) No 483/2013 of 24 May 2013	L 139	8	25.5.2013
► <u>M3</u>	Commission Regulation (EU) No 658/2013 of 10 July 2013	L 190	38	11.7.2013
► <u>M4</u>	Commission Regulation (EU) No 1197/2013 of 25 November 2013	L 315	34	26.11.2013
► <u>M5</u>	Commission Regulation (EU) No 358/2014 of 9 April 2014	L 107	5	10.4.2014
► <u>M6</u>	Commission Regulation (EU) No 866/2014 of 8 August 2014	L 238	3	9.8.2014
► <u>M7</u>	Commission Regulation (EU) No 1003/2014 of 18 September 2014	L 282	1	26.9.2014
► <u>M8</u>	Commission Regulation (EU) No 1004/2014 of 18 September 2014	L 282	5	26.9.2014
► <u>M9</u>	Commission Regulation (EU) 2015/1190 of 20 July 2015	L 193	115	21.7.2015

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► C1 Corrigendum, OJ L 142, 29.5.2013, p. 10 (344/2013)  
 ► C2 Corrigendum, OJ L 254, 28.8.2014, p. 39 (866/2014)

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**REGULATION (EC) No 1223/2009 OF THE EUROPEAN  
PARLIAMENT AND OF THE COUNCIL**

**of 30 November 2009**

**on cosmetic products**

**(recast)**

**(Text with EEA relevance)**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE  
EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and  
in particular Article 95 thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Economic and Social  
Committee<sup>(1)</sup>,

Acting in accordance with the procedure laid down in Article 251 of the  
Treaty<sup>(2)</sup>,

Whereas:

- (1) Council Directive 76/768/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to cosmetic products<sup>(3)</sup> has been significantly amended on several occasions. Since further amendments are to be made, in this particular case it should be recast as one single text in the interests of clarity.
- (2) A Regulation is the appropriate legal instrument as it imposes clear and detailed rules which do not give room for diverging transposition by Member States. Moreover, a Regulation ensures that legal requirements are implemented at the same time throughout the Community.
- (3) This Regulation aims at simplifying procedures and streamlining terminology, thereby reducing administrative burden and ambiguities. Moreover, it strengthens certain elements of the regulatory framework for cosmetics, such as in-market control, with a view to ensuring a high level of protection of human health.
- (4) This Regulation comprehensively harmonises the rules in the Community in order to achieve an internal market for cosmetic products while ensuring a high level of protection of human health.

<sup>(1)</sup> OJ C 27, 3.2.2009, p. 34.

<sup>(2)</sup> Opinion of the European Parliament of 24 March 2009 (not yet published in the Official Journal) and Council Decision of 20 November 2009.

<sup>(3)</sup> OJ L 262, 27.9.1976, p. 169.

**▼B**

- (5) The environmental concerns that substances used in cosmetic products may raise are considered through the application of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (<sup>(1)</sup>), which enables the assessment of environmental safety in a cross-sectoral manner.
- (6) This Regulation relates only to cosmetic products and not to medicinal products, medical devices or biocidal products. The delimitation follows in particular from the detailed definition of cosmetic products, which refers both to their areas of application and to the purposes of their use.
- (7) The assessment of whether a product is a cosmetic product has to be made on the basis of a case-by-case assessment, taking into account all characteristics of the product. Cosmetic products may include creams, emulsions, lotions, gels and oils for the skin, face masks, tinted bases (liquids, pastes, powders), make-up powders, after-bath powders, hygienic powders, toilet soaps, deodorant soaps, perfumes, toilet waters and eau de Cologne, bath and shower preparations (salts, foams, oils, gels), depilatories, deodorants and anti-perspirants, hair colorants, products for waving, straightening and fixing hair, hair-setting products, hair-cleansing products (lotions, powders, shampoos), hair-conditioning products (lotions, creams, oils), hairdressing products (lotions, lacquers, brilliantines), shaving products (creams, foams, lotions), make-up and products removing make-up, products intended for application to the lips, products for care of the teeth and the mouth, products for nail care and make-up, products for external intimate hygiene, sunbathing products, products for tanning without sun, skin-whitening products and anti-wrinkle products.
- (8) The Commission should define the categories of cosmetic products which are relevant for the application of this Regulation.
- (9) Cosmetic products should be safe under normal or reasonably foreseeable conditions of use. In particular, a risk-benefit reasoning should not justify a risk to human health.
- (10) The presentation of a cosmetic product and in particular its form, odour, colour, appearance, packaging, labelling, volume or size should not endanger health and safety of consumers due to confusion with foodstuffs, in accordance with Council Directive 87/357/EEC of 25 June 1987 on the approximation of the laws of the Member States concerning products which, appearing to be other than they are, endanger the health or safety of consumers (<sup>(2)</sup>).

<sup>(1)</sup> OJ L 396, 30.12.2006, p. 1.

<sup>(2)</sup> OJ L 192, 11.7.1987, p. 49.

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- (11) In order to establish clear responsibilities, each cosmetic product should be linked to a responsible person established within the Community.
- (12) Ensuring traceability of a cosmetic product throughout the whole supply chain helps to make market surveillance simpler and more efficient. An efficient traceability system facilitates market surveillance authorities' task of tracing economic operators.
- (13) It is necessary to determine under which conditions a distributor is to be considered as the responsible person.
- (14) All legal or natural persons in the wholesale trade as well as retailers selling directly to the consumer are covered by reference to the distributor. The obligations of the distributor should therefore be adapted to the respective role and part of the activity of each of these operators.
- (15) The European cosmetics sector is one of the industrial activities affected by counterfeiting, which may increase risks to human health. Member States should pay particular attention to the implementation of horizontal Community legislation and measures regarding counterfeit products in the field of cosmetic products, for example Council Regulation (EC) No 1383/2003 of 22 July 2003 concerning customs action against goods suspected of infringing certain intellectual property rights and the measures to be taken against goods found to have infringed such rights <sup>(1)</sup> and Directive 2004/48/EC of the European parliament and of the Council of 29 April 2004 on the enforcement of intellectual property rights <sup>(2)</sup>. In-market controls represent a powerful means of identifying products that do not comply with the requirements of this Regulation.
- (16) To ensure their safety, cosmetic products placed on the market should be produced according to good manufacturing practice.
- (17) For the purpose of effective market surveillance, a product information file should be made readily accessible, at one single address within the Community, to the competent authority of the Member State where the file is located.
- (18) In order to be comparable and of high quality, the results of the non-clinical safety studies carried out for the purposes of assessing the safety of a cosmetic product should comply with the relevant Community legislation.

<sup>(1)</sup> OJ L 196, 2.8.2003, p. 7.

<sup>(2)</sup> OJ L 157, 30.4.2004, p. 45.

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- (19) It should be made clear which information is to be made available to the competent authorities. That information should include all the necessary particulars relating to identity, quality, safety for human health and the effects claimed for the cosmetic product. In particular, this product information should include a cosmetic product safety report documenting that a safety assessment has been conducted.
- (20) To ensure the uniform application and control of the restrictions for substances, sampling and analysis should be carried out in a reproducible and standardised manner.
- (21) The term 'mixture' as defined in this Regulation should have the same meaning as the term 'preparation' previously used in Community legislation.
- (22) For reasons of effective market surveillance, the competent authorities should be notified of certain information about the cosmetic product placed on the market.
- (23) In order to allow for rapid and appropriate medical treatment in the event of difficulties, the necessary information about the product formulation should be submitted to poison control centres and assimilated entities, where such centres have been established by Member States to that end.
- (24) In order to keep administrative burdens to a minimum, the notified information for competent authorities, poison control centres and assimilated entities should be submitted centrally for the Community by way of an electronic interface.
- (25) In order to ensure a smooth transition to the new electronic interface, economic operators should be allowed to notify the information required in accordance with this Regulation before its date of application.
- (26) The general principle of the responsibility of the manufacturer or importer for the safety of the product should be supported by restrictions of some substances in Annexes II and III. Moreover, substances which are intended to be used as colorants, preservatives and UV-filters should be listed in the Annexes IV, V and VI respectively in order to be allowed for these uses.
- (27) To avoid ambiguities, it should be clarified that the list of allowed colorants contained in Annex IV includes only substances which colour through absorption and reflection and not substances which colour through photoluminescence, interference, or chemical reaction.

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(28) To address safety concerns raised, Annex IV, which is currently restricted to skin colorants, should also include hair colorants once the risk assessment of these substances by the Scientific Committee for Consumer Safety (SCCS) set up by Commission Decision 2008/721/EC of 5 September 2008 setting up an advisory structure of Scientific Committees and experts in the field of consumer safety, public health and the environment <sup>(1)</sup> has been finalised. To this end, the Commission should have the possibility to include hair colorants in the scope of that Annex by the comitology procedure.

(29) The use of nanomaterials in cosmetic products may increase with the further development of technology. In order to ensure a high level of consumer protection, free movement of goods and legal certainty for manufacturers, it is necessary to develop a uniform definition for nanomaterials at international level. The Community should endeavour to reach an agreement on a definition in appropriate international fora. Should such an agreement be reached, the definition of nanomaterials in this Regulation should be adapted accordingly.

(30) At present, there is inadequate information on the risks associated with nanomaterials. In order to better assess their safety the SCCS should provide guidance in cooperation with relevant bodies on test methodologies which take into account specific characteristics of nanomaterials.

(31) The Commission should regularly review the provisions on nanomaterials in the light of scientific progress.

(32) Given the hazardous properties of substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR), category 1A, 1B and 2, pursuant to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures <sup>(2)</sup>, their use in cosmetic products should be prohibited. However, as a hazardous property of a substance does not necessarily always entail a risk, there should be a possibility to allow the use of substances classified as CMR 2 substances where, in view of exposure and concentration, they have been found safe for use in cosmetic products by the SCCS and are regulated by the Commission in the Annexes to this Regulation. With regard to substances which are classified as CMR 1A or 1B substances, there should be a possibility, in the exceptional case that these substances comply with food safety requirements, inter alia as a result of their naturally occurring in food, and that no suitable alternative substances exist, to use such substances in cosmetic products on the condition that such use has been found safe by the SCCS. Where such conditions are met, the Commission should amend the relevant Annexes to this Regulation within 15 months of classification of substances as CMR 1A or 1B substances under Regulation (EC) No 1272/2008. Such substances should be continuously reviewed by the SCCS.

<sup>(1)</sup> OJ L 241, 10.9.2008, p. 21.

<sup>(2)</sup> OJ L 353, 31.12.2008, p. 1.

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- (33) A safety assessment of substances, particularly those classified as CMR 1A or 1B substances, should consider the overall exposure to such substances stemming from all sources. At the same time, for those involved in producing safety assessments, it is essential that there be a harmonised approach to the development and use of such overall exposure estimates. In consequence, the Commission, in close cooperation with the SCCS, the European Chemicals Agency (ECHA), the European Food Safety Authority (EFSA) and other relevant stakeholders, should, as a matter of urgency, carry out a review and develop guidance regarding the production and use of overall exposure estimates for these substances.
- (34) The assessment by the SCCS of the use of substances classified as CMR 1A and 1B in cosmetic products should also take into account the exposure to those substances of vulnerable population groups, such as children under three years of age, elderly people, pregnant and breast-feeding women and persons with compromised immune responses.
- (35) The SCCS should give opinions where appropriate on the safety of use of nanomaterials in cosmetic products. These opinions should be based on full information being made available by the responsible person.
- (36) Action by the Commission and Member States relating to the protection of human health should be based on the precautionary principle.
- (37) In order to ensure product safety, prohibited substances should be acceptable at trace levels only if they are technologically inevitable with correct manufacturing processes and provided that the product is safe.
- (38) The Protocol on protection and welfare of animals annexed to the Treaty provides that the Community and the Member States are to pay full regard to the welfare requirements of animals in the implementation of Community policies, in particular with regard to the internal market.
- (39) Council Directive 86/609/EEC of 24 November 1986 on the approximation of laws, regulations and administrative provisions of the Member States regarding the protection of animals used for experimental and other scientific purposes <sup>(1)</sup> established common rules for the use of animals for experimental purposes within the Community and laid down the conditions under which such experiments must be carried out in the territory of the Member States. In particular, Article 7 of that Directive requires that animal experiments be replaced by alternative methods, where such methods exist and are scientifically satisfactory.

<sup>(1)</sup> OJ L 358, 18.12.1986, p. 1.

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(40) The safety of cosmetic products and their ingredients may be ensured through the use of alternative methods which are not necessarily applicable to all uses of chemical ingredients. Therefore, the use of such methods by the whole cosmetic industry should be promoted and their adoption at Community level ensured, where such methods offer an equivalent level of protection to consumers.

(41) The safety of finished cosmetic products can already be ensured on the basis of knowledge of the safety of the ingredients that they contain. Provisions prohibiting animal testing of finished cosmetic products should therefore be laid down. The application, in particular by small and medium-sized enterprises, of both test methods and assessment procedures for relevant available data, including the use of read-across and weight-of-evidence approaches, which do not involve the use of animals for assessing the safety of finished cosmetic products could be facilitated by Commission guidelines.

(42) It will gradually become possible to ensure the safety of ingredients used in cosmetic products by using non-animal alternative methods validated at Community level, or approved as being scientifically validated, by the European Centre for the Validation of Alternative Methods (ECVAM) and with due regard to the development of validation within the Organisation for Economic Cooperation and Development (OECD). After consulting the SCCS as regards the applicability of the validated alternative methods to the field of cosmetic products, the Commission should immediately publish the validated or approved methods recognised as being applicable to such ingredients. In order to achieve the highest possible degree of animal protection, a deadline should be set for the introduction of a definitive prohibition.

(43) The Commission established timetables of deadlines up to 11 March 2009 for prohibiting the marketing of cosmetic products, the final formulation, ingredients or combinations of ingredients which have been tested on animals, and for prohibiting each test currently carried out using animals. In view, however, of tests concerning repeated-dose toxicity, reproductive toxicity and toxicokinetics, it is appropriate for the final deadline for prohibiting the marketing of cosmetic products for which those tests are used to be 11 March 2013. On the basis of annual reports, the Commission should be authorised to adapt the timetables within the abovementioned maximum time limit.

(44) Better coordination of resources at Community level will contribute to increasing the scientific knowledge indispensable for the development of alternative methods. It is essential, for this purpose, that the Community continue and increase its efforts and take the measures necessary for the promotion of research and the development of new non-animal alternative methods, in particular within its Framework Programmes for research.

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(45) The recognition by third countries of alternative methods developed in the Community should be encouraged. In order to achieve this objective, the Commission and the Member States should take all appropriate steps to facilitate acceptance of such methods by the OECD. The Commission should also endeavour, within the framework of European Community cooperation agreements, to obtain recognition of the results of safety tests carried out in the Community using alternative methods so as to ensure that the export of cosmetic products for which such methods have been used is not hindered and to prevent or avoid third countries requiring the repetition of such tests using animals.

(46) Transparency is needed regarding the ingredients used in cosmetic products. Such transparency should be achieved by indication of the ingredients used in a cosmetic product on its packaging. Where for practical reasons it is impossible to indicate the ingredients on the packaging, such information should be enclosed so that the consumer has access to this information.

(47) A glossary of common ingredient names should be compiled by the Commission to ensure uniform labelling and to facilitate identification of cosmetics ingredients. This glossary should not be intended to constitute a limitative list of substances used in cosmetic products.

(48) In order to inform consumers, cosmetic products should bear precise and easily understandable indications concerning their durability for use. Given that consumers should be informed of the date until which the cosmetic product will continue to fulfil its initial function and remain safe, it is important to know the date of minimum durability, i.e. the date by which it is best to use the product. Where the minimum durability is more than 30 months, the consumer should be informed of the period of time after opening that the cosmetic product may be used without any harm to the consumer. However, this requirement should not apply where the concept of the durability after opening is not relevant, that is to say for single-use products, products not at risk of deterioration or products which do not open.

(49) A number of substances have been identified by the SCCS as likely to cause allergic reactions and it will be necessary to restrict their use and/or impose certain conditions concerning them. In order to ensure that consumers are adequately informed, the presence of these substances should be mentioned in the list of ingredients and consumers' attention should be drawn to the presence of these ingredients. This information should improve the diagnosis of contact allergies among consumers and should enable them to avoid the use of cosmetic products which they do not tolerate. For substances which are likely to cause allergy to a significant part of the population, other restrictive measures such as a ban or a restriction of concentration should be considered.

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- (50) In the safety assessment of a cosmetic product it should be possible to take into account results of risk assessments that have been carried out in other relevant areas. The use of such data should be duly substantiated and justified.
- (51) The consumer should be protected from misleading claims concerning efficacy and other characteristics of cosmetic products. In particular Directive 2005/29/EC of the European Parliament and of the Council of 11 May 2005 concerning unfair business-to-consumer commercial practices in the internal market (<sup>(1)</sup>) is applicable. Furthermore, the Commission, in cooperation with Member States, should define common criteria in relation to specific claims for cosmetic products.
- (52) It should be possible to claim on a cosmetic product that no animal testing was carried out in relation to its development. The Commission, in consultation with the Member States, has developed guidelines to ensure that common criteria are applied in the use of claims and that an aligned understanding of the claims is reached, and in particular that such claims do not mislead the consumer. In developing such guidelines, the Commission has also taken into account the views of the many small and medium-sized enterprises which make up the majority of the 'non-animal testing' producers, relevant non-governmental organisations, and the need for consumers to be able to make practical distinctions between products on the basis of animal testing criteria.
- (53) In addition to the labelled information, consumers should be given the possibility to request certain product-related information from the responsible person in order to make informed product choices.
- (54) Effective market surveillance is necessary in order to ensure that the provisions of this Regulation are respected. To this end, serious undesirable effects should be notified and competent authorities should have a possibility to request from the responsible person a list of cosmetic products containing substances which have raised serious doubts in terms of safety.
- (55) This Regulation is without prejudice to the possibility for Member States to regulate, in compliance with Community law, the notification by health professionals or consumers of serious undesirable effects to the competent authorities of Member States.
- (56) This Regulation is without prejudice to the possibility for Member States to regulate, in compliance with Community law, the establishment of economic operators in the area of cosmetic products.

<sup>(1)</sup> OJ L 149, 11.6.2005, p. 22.

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- (57) In case of non-compliance with this Regulation, a clear and efficient procedure for the withdrawal and recall of products may be necessary. This procedure should, where possible, build upon existing Community rules for unsafe goods.
- (58) In order to address cosmetic products which, despite complying with the provisions of this Regulation, might endanger human health, a safeguard procedure should be introduced.
- (59) The Commission should provide indications for the uniform interpretation and application of the concept of serious risks in order to facilitate the consistent implementation of this Regulation.
- (60) In order to comply with principles of good administrative practices, any decision by a competent authority in the framework of market surveillance should be duly substantiated.
- (61) In order to ensure effective in-market control, a high degree of administrative cooperation amongst the competent authorities is necessary. This concerns in particular mutual assistance in the verification of product information files located in another Member State.
- (62) The Commission should be assisted by the SCCS, an independent risk assessment body.
- (63) The measures necessary for the implementation of this Regulation should be adopted in accordance with Council Decision 1999/468/EC of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission<sup>(1)</sup>.
- (64) In particular, power should be conferred on the Commission to adapt the Annexes to this Regulation to technical progress. Since those measures are of general scope and are designed to amend non-essential elements of this Regulation they must be adopted in accordance with the regulatory procedure with scrutiny provided for in Article 5a of Decision 1999/468/EC.
- (65) When, on imperative grounds of urgency, the normal time-limits for the regulatory procedure with scrutiny cannot be complied with, the Commission should be able to apply the urgency procedure provided for in Article 5a(6) of Decision 1999/468/EC for the adoption of certain measures relating to CMRs, nano-materials and potential risks to human health.
- (66) Member States should lay down provisions on penalties applicable to infringements of the provisions of this Regulation and ensure that they are implemented. Those penalties should be effective, proportionate and dissuasive.

<sup>(1)</sup> OJ L 184, 17.7.1999, p. 23.

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- (67) Economic operators as well as Member States and the Commission need sufficient time to adapt to the changes introduced by this Regulation. Therefore it is appropriate to provide for a sufficient transitional period for that adaptation. However, in order to ensure a smooth transition, economic operators should be allowed to place on the market cosmetic products which comply with this Regulation before the expiry of that transitional period.
- (68) In order to enhance the safety of cosmetic products and strengthen the market surveillance, cosmetic products placed on the market after the date of application of this Regulation should comply with its obligations regarding safety assessment, the product information file and notification, even if similar obligations have already been fulfilled under Directive 76/768/EEC.
- (69) Directive 76/768/EEC should be repealed. However, in order to ensure appropriate medical treatment in the event of difficulties and to ensure market surveillance, the information received pursuant to Article 7(3) and Article 7a(4) of Directive 76/768/EEC concerning cosmetic products should be kept by the competent authorities for a certain period of time and the information kept by the responsible person should remain available for the same period of time.
- (70) This Regulation should be without prejudice to the obligations of the Member States relating to the time-limits for transposition into national law of the Directives set out in Part B of Annex IX.
- (71) Since the objective of this Regulation, namely the achievement of the internal market and a high level of protection of human health through the compliance of cosmetic products with the requirements laid down in this Regulation, cannot be sufficiently achieved by the Member States and can therefore, by reason of the scale of the action, be better achieved at Community level, the Community may adopt measures, in accordance with the principle of subsidiarity, as set out in Article 5 of the Treaty. In accordance with the principle of proportionality, as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve that objective,

HAVE ADOPTED THIS REGULATION:

CHAPTER I

**SCOPE, DEFINITIONS**

*Article 1*

**Scope and objective**

This Regulation establishes rules to be complied with by any cosmetic product made available on the market, in order to ensure the functioning of the internal market and a high level of protection of human health.

**▼B***Article 2***Definitions**

1. For the purposes of this Regulation, the following definitions shall apply:

- (a) ‘cosmetic product’ means any substance or mixture intended to be placed in contact with the external parts of the human body (epidermis, hair system, nails, lips and external genital organs) or with the teeth and the mucous membranes of the oral cavity with a view exclusively or mainly to cleaning them, perfuming them, changing their appearance, protecting them, keeping them in good condition or correcting body odours;
- (b) ‘substance’ means a chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition;
- (c) ‘mixture’ means a mixture or solution composed of two or more substances;
- (d) ‘manufacturer’ means any natural or legal person who manufactures a cosmetic product or has such a product designed or manufactured, and markets that cosmetic product under his name or trademark;
- (e) ‘distributor’ means any natural or legal person in the supply chain, other than the manufacturer or the importer, who makes a cosmetic product available on the Community market;
- (f) ‘end user’ means either a consumer or professional using the cosmetic product;
- (g) ‘making available on the market’ means any supply of a cosmetic product for distribution, consumption or use on the Community market in the course of a commercial activity, whether in return for payment or free of charge;
- (h) ‘placing on the market’ means the first making available of a cosmetic product on the Community market;
- (i) ‘importer’ means any natural or legal person established within the Community, who places a cosmetic product from a third country on the Community market;
- (j) ‘harmonised standard’ means a standard adopted by one of the European standardisation bodies listed in Annex I to Directive 98/34/EC of the European Parliament and of the Council of 22 June 1998 laying down a procedure for the provision of information in the field of technical standards and regulations and of rules on information society services <sup>(1)</sup> on the basis of a request made by the Commission in accordance with Article 6 of that Directive;

<sup>(1)</sup> OJ L 204, 21.7.1998, p. 37.

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- (k) ‘nanomaterial’ means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm;
- (l) ‘preservatives’ means substances which are exclusively or mainly intended to inhibit the development of micro-organisms in the cosmetic product;
- (m) ‘colorants’ means substances which are exclusively or mainly intended to colour the cosmetic product, the body as a whole or certain parts thereof, by absorption or reflection of visible light; in addition, precursors of oxidative hair colorants shall be deemed colorants;
- (n) ‘UV-filters’ means substances which are exclusively or mainly intended to protect the skin against certain UV radiation by absorbing, reflecting or scattering UV radiation;
- (o) ‘undesirable effect’ means an adverse reaction for human health attributable to the normal or reasonably foreseeable use of a cosmetic product;
- (p) ‘serious undesirable effect’ means an undesirable effect which results in temporary or permanent functional incapacity, disability, hospitalisation, congenital anomalies or an immediate vital risk or death;
- (q) ‘withdrawal’ means any measure aimed at preventing the making available on the market of a cosmetic product in the supply chain;
- (r) ‘recall’ means any measure aimed at achieving the return of a cosmetic product that has already been made available to the end user;
- (s) ‘frame formulation’ means a formulation which lists the category or function of ingredients and their maximum concentration in the cosmetic product or gives relevant quantitative and qualitative information whenever a cosmetic product is not covered or only partially covered by such a formulation. The Commission shall provide indications for the establishment of the frame formulation and adapt them regularly to technical and scientific progress.

2. For the purposes of point (a) of paragraph 1, a substance or mixture intended to be ingested, inhaled, injected or implanted into the human body shall not be considered to be a cosmetic product.

3. In view of the various definitions of nanomaterials published by different bodies and the constant technical and scientific developments in the field of nanotechnologies, the Commission shall adjust and adapt point (k) of paragraph 1 to technical and scientific progress and to definitions subsequently agreed at international level. That measure, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

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CHAPTER II  
**SAFETY, RESPONSIBILITY, FREE MOVEMENT**

*Article 3*

**Safety**

A cosmetic product made available on the market shall be safe for human health when used under normal or reasonably foreseeable conditions of use, taking account, in particular, of the following:

- (a) presentation including conformity with Directive 87/357/EEC;
- (b) labelling;
- (c) instructions for use and disposal;
- (d) any other indication or information provided by the responsible person defined in Article 4.

The provision of warnings shall not exempt persons defined in Articles 2 and 4 from compliance with the other requirements laid down in this Regulation.

*Article 4*

**Responsible person**

- 1. Only cosmetic products for which a legal or natural person is designated within the Community as 'responsible person' shall be placed on the market.
- 2. For each cosmetic product placed on the market, the responsible person shall ensure compliance with the relevant obligations set out in this Regulation.
- 3. For a cosmetic product manufactured within the Community, and not subsequently exported and imported back into the Community, the manufacturer established within the Community shall be the responsible person.

The manufacturer may designate, by written mandate, a person established within the Community as the responsible person who shall accept in writing.

- 4. Where, for a cosmetic product manufactured within the Community, and not subsequently exported and imported back into the Community, the manufacturer is established outside the Community, he shall designate, by written mandate, a person established within the Community as the responsible person who shall accept in writing.
- 5. For an imported cosmetic product, each importer shall be the responsible person for the specific cosmetic product he places on the market.

The importer may, by written mandate, designate a person established within the Community as the responsible person who shall accept in writing.

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6. The distributor shall be the responsible person where he places a cosmetic product on the market under his name or trademark or modifies a product already placed on the market in such a way that compliance with the applicable requirements may be affected.

The translation of information relating to a cosmetic product already placed on the market shall not be considered as a modification of that product of such a nature that compliance with the applicable requirements of this Regulation may be affected.

*Article 5***Obligations of responsible persons**

1. Responsible persons shall ensure compliance with Articles 3, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, Article 19(1),(2) and (5), as well as Articles 20, 21, 23 and 24.

2. Responsible persons who consider or have reason to believe that a cosmetic product which they have placed on the market is not in conformity with this Regulation shall immediately take the corrective measures necessary to bring that product into conformity, withdraw it or recall it, as appropriate.

Furthermore, where the cosmetic product presents a risk to human health, responsible persons shall immediately inform the competent national authorities of the Member States in which they made the product available and of the Member State in which the product information file is readily accessible, giving details, in particular, of the non-compliance and of the corrective measures taken.

3. Responsible persons shall cooperate with these authorities, at the request of the latter, on any action to eliminate the risks posed by cosmetic products which they have made available on the market. In particular, responsible persons shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation necessary to demonstrate the conformity of specific aspects of the product, in a language which can be easily understood by that authority.

*Article 6***Obligations of distributors**

1. In the context of their activities, when making a cosmetic product available on the market, distributors shall act with due care in relation to applicable requirements.

2. Before making a cosmetic product available on the market distributors shall verify that:

- the labelling information provided for in Article 19(1)(a), (e) and (g) and Article 19(3) and (4) is present,

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- the language requirements provided for in Article 19(5) are fulfilled,
- the date of minimum durability specified, where applicable under Article 19(1), has not passed.

3. Where distributors consider or have reason to believe that:

- a cosmetic product is not in conformity with the requirements laid down in this Regulation, they shall not make the product available on the market until it has been brought into conformity with the applicable requirements,
- a cosmetic product which they have made available on the market is not in conformity with this Regulation, they shall make sure that the corrective measures necessary to bring that product into conformity, withdraw it or recall it, as appropriate, are taken.

Furthermore, where the cosmetic product presents a risk to human health, distributors shall immediately inform the responsible person and the competent national authorities of the Member States in which they made the product available, giving details, in particular, of the non-compliance and of the corrective measures taken.

4. Distributors shall ensure that, while a product is under their responsibility, storage or transport conditions do not jeopardise its compliance with the requirements set out in this Regulation.

5. Distributors shall cooperate with competent authorities, at the request of the latter, on any action to eliminate the risks posed by products which they have made available on the market. In particular, distributors shall, further to a reasoned request from a competent national authority, provide it with all the information and documentation necessary to demonstrate the conformity of the product with the requirements listed under paragraph 2, in a language which can be easily understood by that authority.

*Article 7*

**Identification within the supply chain**

At the request of a competent authority:

- responsible persons shall identify the distributors to whom they supply the cosmetic product,
- the distributor shall identify the distributor or the responsible person from whom, and the distributors to whom, the cosmetic product was supplied.

This obligation shall apply for a period of three years following the date on which the batch of the cosmetic product was made available to the distributor.

**▼B***Article 8***Good manufacturing practice**

1. The manufacture of cosmetic products shall comply with good manufacturing practice with a view to ensuring the objectives of Article 1.
2. Compliance with good manufacturing practice shall be presumed where the manufacture is in accordance with the relevant harmonised standards, the references of which have been published in the *Official Journal of the European Union*.

*Article 9***Free movement**

Member States shall not, for reasons related to the requirements laid down in this Regulation, refuse, prohibit or restrict the making available on the market of cosmetic products which comply with the requirements of this Regulation.

**CHAPTER III****SAFETY ASSESSMENT, PRODUCT INFORMATION FILE, NOTIFICATION***Article 10***Safety assessment**

1. In order to demonstrate that a cosmetic product complies with Article 3, the responsible person shall, prior to placing a cosmetic product on the market, ensure that the cosmetic product has undergone a safety assessment on the basis of the relevant information and that a cosmetic product safety report is set up in accordance with Annex I.

The responsible person shall ensure that:

- (a) the intended use of the cosmetic product and the anticipated systemic exposure to individual ingredients in a final formulation are taken into account in the safety assessment;
- (b) an appropriate weight-of-evidence approach is used in the safety assessment for reviewing data from all existing sources;
- (c) the cosmetic product safety report is kept up to date in view of additional relevant information generated subsequent to placing the product on the market.

The first subparagraph shall also apply to cosmetic products that have been notified under Directive 76/768/EEC.

The Commission, in close cooperation with all stakeholders, shall adopt appropriate guidelines to enable undertakings, in particular small and medium-sized enterprises, to comply with the requirements laid down in Annex I. Those guidelines shall be adopted in accordance with the regulatory procedure referred to in Article 32(2).

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2. The cosmetic product safety assessment, as set out in Part B of Annex I shall be carried out by a person in possession of a diploma or other evidence of formal qualifications awarded on completion of a university course of theoretical and practical study in pharmacy, toxicology, medicine or a similar discipline, or a course recognised as equivalent by a Member State.

3. Non-clinical safety studies referred to in the safety assessment according to paragraph 1 and carried out after 30 June 1988 for the purpose of assessing the safety of a cosmetic product shall comply with Community legislation on the principles of good laboratory practice, as applicable at the time of performance of the study, or with other international standards recognised as being equivalent by the Commission or the ECHA.

*Article 11***Product information file**

1. When a cosmetic product is placed on the market, the responsible person shall keep a product information file for it. The product information file shall be kept for a period of ten years following the date on which the last batch of the cosmetic product was placed on the market.

2. The product information file shall contain the following information and data which shall be updated as necessary:

- (a) a description of the cosmetic product which enables the product information file to be clearly attributed to the cosmetic product;
- (b) the cosmetic product safety report referred to in Article 10(1);
- (c) a description of the method of manufacturing and a statement on compliance with good manufacturing practice referred to in Article 8;
- (d) where justified by the nature or the effect of the cosmetic product, proof of the effect claimed for the cosmetic product;
- (e) data on any animal testing performed by the manufacturer, his agents or suppliers, relating to the development or safety assessment of the cosmetic product or its ingredients, including any animal testing performed to meet the legislative or regulatory requirements of third countries.

3. The responsible person shall make the product information file readily accessible in electronic or other format at his address indicated on the label to the competent authority of the Member State in which the file is kept.

The information contained in the product information file shall be available in a language which can be easily understood by the competent authorities of the Member State.

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4. The requirements provided in paragraphs 1 to 3 of this Article shall also apply to cosmetic products that have been notified under Directive 76/768/EEC.

*Article 12***Sampling and analysis**

1. Sampling and analysis of cosmetic products shall be performed in a reliable and reproducible manner.

2. In the absence of any applicable Community legislation, reliability and reproducibility shall be presumed if the method used is in accordance with the relevant harmonised standards, the references of which have been published in the *Official Journal of the European Union*.

*Article 13***Notification**

1. Prior to placing the cosmetic product on the market the responsible person shall submit, by electronic means, the following information to the Commission:

- (a) the category of cosmetic product and its name or names, enabling its specific identification;
- (b) the name and address of the responsible person where the product information file is made readily accessible;
- (c) the country of origin in the case of import;
- (d) the Member State in which the cosmetic product is to be placed on the market;
- (e) the contact details of a physical person to contact in the case of necessity;
- (f) the presence of substances in the form of nanomaterials and:
  - (i) their identification including the chemical name (IUPAC) and other descriptors as specified in point 2 of the Preamble to Annexes II to VI to this Regulation;
  - (ii) the reasonably foreseeable exposure conditions;
- (g) the name and the Chemicals Abstracts Service (CAS) or EC number of substances classified as carcinogenic, mutagenic or toxic for reproduction (CMR), of category 1A or 1B, under Part 3 of Annex VI to Regulation (EC) No 1272/2008;
- (h) the frame formulation allowing for prompt and appropriate medical treatment in the event of difficulties.

The first subparagraph shall also apply to cosmetic products notified under Directive 76/768/EEC.

2. When the cosmetic product is placed on the market, the responsible person shall notify to the Commission the original labelling, and, where reasonably legible, a photograph of the corresponding packaging.

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3. As from 11 July 2013, a distributor who makes available in a Member State a cosmetic product already placed on the market in another Member State and translates, on his own initiative, any element of the labelling of that product in order to comply with national law, shall submit, by electronic means, the following information to the Commission:

- (a) the category of cosmetic product, its name in the Member State of dispatch and its name in the Member State in which it is made available, enabling its specific identification;
- (b) the Member State in which the cosmetic product is made available;
- (c) his name and address;
- (d) the name and address of the responsible person where the product information file is made readily accessible.

4. Where a cosmetic product has been placed on the market before 11 July 2013 but is no longer placed on the market as from that date, and a distributor introduces that product in a Member State after that date, that distributor shall communicate the following to the responsible person:

- (a) the category of cosmetic product, its name in the Member State of dispatch and its name in the Member State in which it is made available, enabling its specific identification;
- (b) the Member State in which the cosmetic product is made available;
- (c) his name and address.

On the basis of that communication, the responsible person shall submit to the Commission, by electronic means, the information referred to in paragraph 1 of this Article, where notifications according to Article 7(3) and Article 7a (4) of Directive 76/768/EEC have not been carried out in the Member State in which the cosmetic product is made available.

5. The Commission shall, without delay, make the information referred to in points (a) to (g) of paragraph 1, and in paragraphs 2 and 3 available electronically to all competent authorities.

That information may be used by competent authorities only for the purposes of market surveillance, market analysis, evaluation and consumer information in the context of Articles 25, 26 and 27.

6. The Commission shall, without delay, make the information referred to in paragraphs 1, 2 and 3 available electronically to poison centres or similar bodies, where such centres or bodies have been established by Member States.

That information may be used by those bodies only for the purposes of medical treatment.

7. Where any of the information set out in paragraphs 1, 3 and 4 changes, the responsible person or the distributor shall provide an update without delay.

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8. The Commission may, taking into account technical and scientific progress and specific needs related to market surveillance, amend paragraphs 1 to 7 by adding requirements.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

**CHAPTER IV**  
**RESTRICTIONS FOR CERTAIN SUBSTANCES**

*Article 14*

**Restrictions for substances listed in the Annexes**

1. Without prejudice to Article 3, cosmetic products shall not contain any of the following:

- (a) prohibited substances
  - prohibited substances listed in Annex II;
- (b) restricted substances
  - restricted substances which are not used in accordance with the restrictions laid down in Annex III;
- (c) colorants
  - (i) colorants other than those listed in Annex IV and colorants which are listed there but not used in accordance with the conditions laid down in that Annex, except for hair colouring products referred to in paragraph 2;
  - (ii) without prejudice to points (b), (d)(i) and (e)(i), substances which are listed in Annex IV but which are not intended to be used as colorants, and which are not used in accordance with the conditions laid down in that Annex;
- (d) preservatives
  - (i) preservatives other than those listed in Annex V and preservatives which are listed there but not used in accordance with the conditions laid down in that Annex;
  - (ii) without prejudice to points (b), (c)(i) and (e)(i), substances listed in Annex V but which are not intended to be used as preservatives, and which are not used in accordance with the conditions laid down in that Annex;
- (e) UV-filters
  - (i) UV-filters other than those listed in Annex VI and UV-filters which are listed there but not used in accordance with the conditions laid down in that Annex;
  - (ii) without prejudice to points (b), (c)(i) and (d)(i), substances listed in Annex VI but which are not intended to be used as UV-filters and which are not used in accordance with the conditions laid down in that Annex.

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2. Subject to a decision of the Commission to extend the scope of Annex IV to hair colouring products, such products shall not contain colorants intended to colour the hair, other than those listed in Annex IV and colorants intended to colour the hair which are listed there but not used in accordance with the conditions laid down in that Annex.

The decision of the Commission referred to in the first subparagraph, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

*Article 15***Substances classified as CMR substances**

1. The use in cosmetic products of substances classified as CMR substances, of category 2, under Part 3 of Annex VI to Regulation (EC) No 1272/2008 shall be prohibited. However, a substance classified in category 2 may be used in cosmetic products where the substance has been evaluated by the SCCS and found safe for use in cosmetic products. To these ends the Commission shall adopt the necessary measures in accordance with the regulatory procedure with scrutiny referred to in Article 32(3) of this Regulation.

2. The use in cosmetic products of substances classified as CMR substances, of category 1A or 1B under Part 3 of Annex VI to Regulation (EC) No 1272/2008 shall be prohibited.

However, such substances may be used in cosmetic products by way of exception where, subsequent to their classification as CMR substances of category 1A or 1B under Part 3 of Annex VI to Regulation (EC) No 1272/2008, all of the following conditions are fulfilled:

- (a) they comply with the food safety requirements as defined in Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety (¹);
- (b) there are no suitable alternative substances available, as documented in an analysis of alternatives;
- (c) the application is made for a particular use of the product category with a known exposure; and
- (d) they have been evaluated and found safe by the SCCS for use in cosmetic products, in particular in view of exposure to these products and taking into consideration the overall exposure from other sources, taking particular account of vulnerable population groups.

Specific labelling in order to avoid misuse of the cosmetic product shall be provided in accordance with Article 3 of this Regulation, taking into account possible risks linked to the presence of hazardous substances and the routes of exposure.

(¹) OJ L 31, 1.2.2002, p. 1.

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In order to implement this paragraph, the Commission shall amend the Annexes to this Regulation in accordance with the regulatory procedure with scrutiny referred to in Article 32(3) of this Regulation within 15 months of the inclusion of the substances concerned in Part 3 of Annex VI to Regulation (EC) No 1272/2008.

On imperative grounds of urgency, the Commission may use the urgency procedure referred to in Article 32(4) of this Regulation.

The Commission shall mandate the SCCS to re-evaluate those substances as soon as safety concerns arise, and at the latest five years after their inclusion in Annexes III to VI to this Regulation, and at least every subsequent five years.

3. By 11 January 2012, the Commission shall ensure that appropriate guidance is developed with the aim of enabling a harmonised approach to the development and use of overall exposure estimates in assessing the safe use of CMR substances. This guidance shall be developed in consultation with the SCCS, the ECHA, the EFSA and other relevant stakeholders, drawing, as appropriate, on relevant best practice.

4. When Community or internationally agreed criteria for identifying substances with endocrine-disrupting properties are available, or at the latest on 11 January 2015, the Commission shall review this Regulation with regard to substances with endocrine-disrupting properties.

*Article 16***Nanomaterials**

1. For every cosmetic product that contains nanomaterials, a high level of protection of human health shall be ensured.

2. The provisions of this Article do not apply to nanomaterials used as colorants, UV-filters or preservatives regulated under Article 14, unless expressly specified.

3. In addition to the notification under Article 13, cosmetic products containing nanomaterials shall be notified to the Commission by the responsible person by electronic means six months prior to being placed on the market, except where they have already been placed on the market by the same responsible person before 11 January 2013.

In the latter case, cosmetic products containing nanomaterials placed on the market shall be notified to the Commission by the responsible person between 11 January 2013 and 11 July 2013 by electronic means, in addition to the notification in Article 13.

The first and the second subparagraphs shall not apply to cosmetic products containing nanomaterials that are in conformity with the requirements set out in Annex III.

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The information notified to the Commission shall contain at least the following:

- (a) the identification of the nanomaterial including its chemical name (IUPAC) and other descriptors as specified in point 2 of the Preamble to Annexes II to VI;
- (b) the specification of the nanomaterial including size of particles, physical and chemical properties;
- (c) an estimate of the quantity of nanomaterial contained in cosmetic products intended to be placed on the market per year;
- (d) the toxicological profile of the nanomaterial;
- (e) the safety data of the nanomaterial relating to the category of cosmetic product, as used in such products;
- (f) the reasonably foreseeable exposure conditions.

The responsible person may designate another legal or natural person by written mandate for the notification of nanomaterials and shall inform the Commission thereof.

The Commission shall provide a reference number for the submission of the toxicological profile, which may substitute the information to be notified under point (d).

4. In the event that the Commission has concerns regarding the safety of a nanomaterial, the Commission shall, without delay, request the SCCS to give its opinion on the safety of such nanomaterial for use in the relevant categories of cosmetic products and on the reasonably foreseeable exposure conditions. The Commission shall make this information public. The SCCS shall deliver its opinion within six months of the Commission's request. Where the SCCS finds that any necessary data is lacking, the Commission shall request the responsible person to provide such data within an explicitly stated reasonable time, which shall not be extended. The SCCS shall deliver its final opinion within six months of submission of additional data. The opinion of the SCCS shall be made publicly available.

5. The Commission may, at any time, invoke the procedure in paragraph 4 where it has any safety concerns, for example due to new information supplied by a third party.

6. Taking into account the opinion of the SCCS, and where there is a potential risk to human health, including when there is insufficient data, the Commission may amend Annexes II and III.

7. The Commission may, taking into account technical and scientific progress, amend paragraph 3 by adding requirements.

8. The measures, referred to in paragraphs 6 and 7, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

9. On imperative grounds of urgency the Commission may use the procedure referred to in Article 32(4).

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10. The following information shall be made available by the Commission:

- (a) By 11 January 2014, the Commission shall make available a catalogue of all nanomaterials used in cosmetic products placed on the market, including those used as colorants, UV-filters and preservatives in a separate section, indicating the categories of cosmetic products and the reasonably foreseeable exposure conditions. This catalogue shall be regularly updated thereafter and be made publicly available.
- (b) The Commission shall submit to the European Parliament and the Council an annual status report, which will give information on developments in the use of nanomaterials in cosmetic products within the Community, including those used as colorants, UV-filters and preservatives in a separate section. The first report shall be presented by 11 July 2014. The report update shall summarise, in particular, the new nanomaterials in new categories of cosmetic products, the number of notifications, the progress made in developing nano-specific assessment methods and safety assessment guides, and information on international cooperation programmes.

11. The Commission shall regularly review the provisions of this Regulation concerning nanomaterials in the light of scientific progress and shall, where necessary, propose suitable amendments to those provisions.

The first review shall be undertaken by 11 July 2018.

*Article 17*

**Traces of prohibited substances**

The non-intended presence of a small quantity of a prohibited substance, stemming from impurities of natural or synthetic ingredients, the manufacturing process, storage, migration from packaging, which is technically unavoidable in good manufacturing practice, shall be permitted provided that such presence is in conformity with Article 3.

CHAPTER V

**ANIMAL TESTING**

*Article 18*

**Animal testing**

1. Without prejudice to the general obligations deriving from Article 3, the following shall be prohibited:

- (a) the placing on the market of cosmetic products where the final formulation, in order to meet the requirements of this Regulation, has been the subject of animal testing using a method other than an alternative method after such alternative method has been validated and adopted at Community level with due regard to the development of validation within the OECD;

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- (b) the placing on the market of cosmetic products containing ingredients or combinations of ingredients which, in order to meet the requirements of this Regulation, have been the subject of animal testing using a method other than an alternative method after such alternative method has been validated and adopted at Community level with due regard to the development of validation within the OECD;
- (c) the performance within the Community of animal testing of finished cosmetic products in order to meet the requirements of this Regulation;
- (d) the performance within the Community of animal testing of ingredients or combinations of ingredients in order to meet the requirements of this Regulation, after the date on which such tests are required to be replaced by one or more validated alternative methods listed in Commission Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)<sup>(1)</sup> or in Annex VIII to this Regulation.

2. The Commission, after consulting the SCCS and the European Centre for the Validation of Alternative Methods (ECVAM) and with due regard to the development of validation within the OECD, has established timetables for the implementation of the provisions under points (a), (b) and (d) of paragraph 1, including deadlines for the phasing-out of the various tests. The timetables were made available to the public on 1 October 2004 and sent to the European Parliament and the Council. The period for implementation was limited to 11 March 2009 in relation to points (a), (b) and (d) of paragraph 1.

In relation to the tests concerning repeated-dose toxicity, reproductive toxicity and toxicokinetics, for which there are no alternatives yet under consideration, the period for implementation of paragraph 1(a) and (b) shall be limited to 11 March 2013.

The Commission shall study possible technical difficulties in complying with the ban in relation to tests, in particular those concerning repeated-dose toxicity, reproductive toxicity and toxicokinetics, for which there are no alternatives yet under consideration. Information about the provisional and final results of these studies forms part of the yearly reports presented pursuant to Article 35.

On the basis of these annual reports, the timetables established as referred to in the first subparagraph, could be adapted up to 11 March 2009 in relation to the first subparagraph and may be adapted up to 11 March 2013 in relation to the second subparagraph and after consultation of the entities referred to in the first subparagraph.

<sup>(1)</sup> OJ L 142, 31.5.2008, p. 1.

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The Commission shall study progress and compliance with the deadlines as well as possible technical difficulties in complying with the ban. Information about the provisional and final results of the Commission studies forms part of the yearly reports presented pursuant to Article 35. If these studies conclude, at the latest two years prior to the end of the maximum period referred to in the second subparagraph, that for technical reasons one or more tests referred to in that subparagraph will not be developed and validated before the expiry of the period referred to therein it shall inform the European Parliament and the Council and shall put forward a legislative proposal in accordance with Article 251 of the Treaty.

In exceptional circumstances, where serious concerns arise as regards the safety of an existing cosmetic ingredient, a Member State may request the Commission to grant a derogation from paragraph 1. The request shall contain an evaluation of the situation and indicate the measures necessary. On this basis, the Commission may, after consulting the SCCS and by means of a reasoned decision, authorise the derogation. That authorisation shall lay down the conditions associated with this derogation in terms of specific objectives, duration and reporting of the results.

A derogation shall be granted only where:

- (a) the ingredient is in wide use and cannot be replaced by another ingredient capable of performing a similar function;
- (b) the specific human health problem is substantiated and the need to conduct animal tests is justified and is supported by a detailed research protocol proposed as the basis for the evaluation.

The decision on the authorisation, the conditions associated with it and the final result achieved shall be part of the annual report presented by the Commission in accordance with Article 35.

The measures referred to in the sixth subparagraph, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

3. For the purposes of this Article and Article 20:

- (a) 'finished cosmetic product' means the cosmetic product in its final formulation, as placed on the market and made available to the end user, or its prototype;
- (b) 'prototype' means a first model or design that has not been produced in batches, and from which the finished cosmetic product is copied or finally developed.

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CHAPTER VI  
**CONSUMER INFORMATION**

*Article 19***Labelling**

1. Without prejudice to other provisions in this Article, cosmetic products shall be made available on the market only where the container and packaging of cosmetic products bear the following information in indelible, easily legible and visible lettering:

- (a) the name or registered name and the address of the responsible person. Such information may be abbreviated in so far as the abbreviation makes it possible to identify that person and his address. If several addresses are indicated, the one where the responsible person makes readily available the product information file shall be highlighted. The country of origin shall be specified for imported cosmetic products;
- (b) the nominal content at the time of packaging, given by weight or by volume, except in the case of packaging containing less than five grams or five millilitres, free samples and single-application packs; for pre-packages normally sold as a number of items, for which details of weight or volume are not significant, the content need not be given provided the number of items appears on the packaging. This information need not be given if the number of items is easy to see from the outside or if the product is normally only sold individually;
- (c) the date until which the cosmetic product, stored under appropriate conditions, will continue to fulfil its initial function and, in particular, will remain in conformity with Article 3 ('date of minimum durability').

The date itself or details of where it appears on the packaging shall be preceded by the symbol shown in point 3 of Annex VII or the words: 'best used before the end of'.

The date of minimum durability shall be clearly expressed and shall consist of either the month and year or the day, month and year, in that order. If necessary, this information shall be supplemented by an indication of the conditions which must be satisfied to guarantee the stated durability.

Indication of the date of minimum durability shall not be mandatory for cosmetic products with a minimum durability of more than 30 months. For such products, there shall be an indication of the period of time after opening for which the product is safe and can be used without any harm to the consumer. This information shall be indicated, except where the concept of durability after opening is not relevant, by the symbol shown in point 2 of Annex VII followed by the period (in months and/or years);

- (d) particular precautions to be observed in use, and at least those listed in Annexes III to VI and any special precautionary information on cosmetic products for professional use;

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- (e) the batch number of manufacture or the reference for identifying the cosmetic product. Where this is impossible for practical reasons because the cosmetic products are too small, such information need appear only on the packaging;
- (f) the function of the cosmetic product, unless it is clear from its presentation;
- (g) a list of ingredients. This information may be indicated on the packaging alone. The list shall be preceded by the term 'ingredients'.

For the purpose of this Article, an ingredient means any substance or mixture intentionally used in the cosmetic product during the process of manufacturing. The following shall not, however, be regarded as ingredients:

- (i) impurities in the raw materials used;
- (ii) subsidiary technical materials used in the mixture but not present in the final product.

Perfume and aromatic compositions and their raw materials shall be referred to by the terms 'parfum' or 'aroma'. Moreover, the presence of substances, the mention of which is required under the column 'Other' in Annex III, shall be indicated in the list of ingredients in addition to the terms parfum or aroma.

The list of ingredients shall be established in descending order of weight of the ingredients at the time they are added to the cosmetic product. Ingredients in concentrations of less than 1 % may be listed in any order after those in concentrations of more than 1 %.

All ingredients present in the form of nanomaterials shall be clearly indicated in the list of ingredients. The names of such ingredients shall be followed by the word 'nano' in brackets.

Colorants other than colorants intended to colour the hair may be listed in any order after the other cosmetic ingredients. For decorative cosmetic products marketed in several colour shades, all colorants other than colorants intended to colour the hair used in the range may be listed, provided that the words 'may contain' or the symbol '+/-' are added. The CI (Colour Index) nomenclature shall be used, where applicable.

2. Where it is impossible for practical reasons to label the information mentioned in points (d) and (g) of paragraph 1 as provided, the following applies:

- the information shall be mentioned on an enclosed or attached leaflet, label, tape, tag or card;
- unless impracticable, this information shall be referred to by abbreviated information or the symbol given in point 1 of Annex VII, which must appear on the container or packaging for the information referred in point (d) of paragraph 1 and on packaging for the information referred in point (g) of paragraph 1.

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3. In the case of soap, bath balls and other small products where it is impossible for practical reasons for the information referred to in point (g) of paragraph 1 to appear on a label, tag, tape or card or in an enclosed leaflet, this information shall appear on a notice in immediate proximity to the container in which the cosmetic product is exposed for sale.

4. For cosmetic products that are not pre-packaged, are packaged at the point of sale at the purchaser's request, or are pre-packaged for immediate sale, Member States shall adopt detailed rules for indication of the information referred to in paragraph 1.

5. The language of the information mentioned in points (b), (c), (d) and (f) of paragraph 1 and in paragraphs (2), (3) and (4) shall be determined by the law of the Member States in which the product is made available to the end user.

6. The information mentioned in point (g) of paragraph 1 shall be expressed by using the common ingredient name set out in the glossary provided for in Article 33. In the absence of a common ingredient name, a term as contained in a generally accepted nomenclature shall be used.

*Article 20***Product claims**

1. In the labelling, making available on the market and advertising of cosmetic products, text, names, trade marks, pictures and figurative or other signs shall not be used to imply that these products have characteristics or functions which they do not have.

2. The Commission shall, in cooperation with Member States, establish an action plan regarding claims used and fix priorities for determining common criteria justifying the use of a claim.

After consulting the SCCS or other relevant authorities, the Commission shall adopt a list of common criteria for claims which may be used in respect of cosmetic products, in accordance with the regulatory procedure with scrutiny referred to in Article 32(3) of this Regulation, taking into account the provisions of Directive 2005/29/EC.

By 11 July 2016, the Commission shall submit to the European Parliament and the Council a report regarding the use of claims on the basis of the common criteria adopted under the second subparagraph. If the report concludes that claims used in respect of cosmetic products are not in conformity with the common criteria, the Commission shall take appropriate measures to ensure compliance in cooperation with the Member States.

3. The responsible person may refer, on the product packaging or in any document, notice, label, ring or collar accompanying or referring to the cosmetic product, to the fact that no animal tests have been carried out only if the manufacturer and his suppliers have not carried out or commissioned any animal tests on the finished cosmetic product, or its prototype, or any of the ingredients contained in it, or used any ingredients that have been tested on animals by others for the purpose of developing new cosmetic products.

**▼B***Article 21***Access to information for the public**

Without prejudice to the protection, in particular, of commercial secrecy and of intellectual property rights, the responsible person shall ensure that the qualitative and quantitative composition of the cosmetic product and, in the case of perfume and aromatic compositions, the name and code number of the composition and the identity of the supplier, as well as existing data on undesirable effects and serious undesirable effects resulting from use of the cosmetic product are made easily accessible to the public by any appropriate means.

The quantitative information regarding composition of the cosmetic product required to be made publicly accessible shall be limited to hazardous substances in accordance with Article 3 of Regulation (EC) No 1272/2008.

## CHAPTER VII

**MARKET SURVEILLANCE***Article 22***In-market control**

Member States shall monitor compliance with this Regulation via in-market controls of the cosmetic products made available on the market. They shall perform appropriate checks of cosmetic products and checks on the economic operators on an adequate scale, through the product information file and, where appropriate, physical and laboratory checks on the basis of adequate samples.

Member States shall also monitor compliance with the principles of good manufacturing practices.

Member States shall entrust to market surveillance authorities the necessary powers, resources and knowledge in order for those authorities to properly perform their tasks.

Member States shall periodically review and assess the functioning of their surveillance activities. Such reviews and assessments shall be carried out at least every four years and the results thereof shall be communicated to the other Member States and the Commission and be made available to the public, by way of electronic communication and, where appropriate, by other means.

*Article 23***Communication of serious undesirable effects**

1. In the event of serious undesirable effects, the responsible person and distributors shall without delay notify the following to the competent authority of the Member State where the serious undesirable effect occurred:

- (a) all serious undesirable effects which are known to him or which may reasonably be expected to be known to him;
- (b) the name of the cosmetic product concerned, enabling its specific identification;
- (c) the corrective measures taken by him, if any.

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2. Where the responsible person reports serious undesirable effects to the competent authority of the Member State where the effect occurred, that competent authority shall immediately transmit the information referred to in paragraph 1 to the competent authorities of the other Member States.
3. Where distributors report serious undesirable effects to the competent authority of the Member State where the effect occurred, that competent authority shall immediately transmit the information referred to in paragraph 1 to the competent authorities of the other Member States and to the responsible person.
4. Where end users or health professionals report serious undesirable effects to the competent authority of the Member State where the effect occurred, that competent authority shall immediately transmit the information on the cosmetic product concerned to the competent authorities of the other Member States and to the responsible person.
5. Competent authorities may use the information referred to in this Article for the purposes of in-market surveillance, market analysis, evaluation and consumer information in the context of Articles 25, 26 and 27.

*Article 24***Information on substances**

In the event of serious doubt regarding the safety of any substance contained in cosmetic products, the competent authority of a Member State in which a product containing such a substance is made available on the market may by reasoned request require the responsible person to submit a list of all cosmetic products for which he is responsible and which contain this substance. The list shall indicate the concentration of this substance in the cosmetic products.

Competent authorities may use the information referred to in this Article for the purposes of in-market surveillance, market analysis, evaluation and consumer information in the context of Articles 25, 26 and 27.

**CHAPTER VIII****NON-COMPLIANCE, SAFEGUARD CLAUSE***Article 25***Non-compliance by the responsible person**

1. Without prejudice to paragraph 4, competent authorities shall require the responsible person to take all appropriate measures, including corrective actions bringing the cosmetic product into conformity, the withdrawal of the product from the market or its recall, within an expressly mentioned time limit, commensurate with the nature of the risk, where there is non-compliance with any of the following:

- (a) the good manufacturing practice referred to in Article 8;
- (b) the safety assessment referred to in Article 10;

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- (c) the requirements for the product information file referred to in Article 11;
- (d) the provisions on sampling and analysis referred to in Article 12;
- (e) the notification requirements referred to in Articles 13 and 16;
- (f) the restrictions for substances referred to in Articles 14, 15 and 17;
- (g) the animal testing requirements referred to in Article 18;
- (h) the labelling requirements referred to in Article 19(1), (2), (5) and (6);
- (i) the requirements related to product claims set out in Article 20;
- (j) the access to information for the public referred to in Article 21;
- (k) the communication of serious undesirable effects referred to in Article 23;
- (l) the information requirements on substances referred to in Article 24.

2. Where applicable, a competent authority shall inform the competent authority of the Member State in which the responsible person is established of the measures which it has required the responsible person to take.

3. The responsible person shall ensure that the measures referred to in paragraph 1 are taken in respect of all the products concerned which are made available on the market throughout the Community.

4. In the case of serious risks to human health, where the competent authority considers that the non-compliance is not limited to the territory of the Member State in which the cosmetic product is made available on the market, it shall inform the Commission and the competent authorities of the other Member States of the measures which it has required the responsible person to take.

5. The competent authority shall take all appropriate measures to prohibit or restrict the making available on the market of the cosmetic product or to withdraw the product from the market or to recall it in the following cases:

- (a) where an immediate action is necessary in the event of serious risk to human health; or
- (b) where the responsible person does not take all appropriate measures within the time limit referred to in paragraph 1.

In the event of serious risks to human health, that competent authority shall inform the Commission and the competent authorities of the other Member States, without delay, of the measures taken.

6. In the absence of a serious risk to human health, in the event that the responsible person does not take all appropriate measures, the competent authority shall without delay inform the competent authority of the Member State in which the responsible person is established of the measures taken.

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7. For the purposes of paragraphs 4 and 5 of this Article, the information exchange system provided for in Article 12(1) of Directive 2001/95/EC of the European Parliament and of the Council of 3 December 2001 on general product safety (<sup>(1)</sup>) shall be used.

Article 12(2), (3) and (4) of Directive 2001/95/EC and Article 23 of Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (<sup>(2)</sup>) shall also apply.

*Article 26***Non-compliance by distributors**

Competent authorities shall require distributors to take all appropriate measures, including corrective actions bringing the cosmetic product into conformity, the withdrawal of the product from the market or its recall, within a given reasonable time limit, commensurate with the nature of the risk, where there is non-compliance with obligations laid down in Article 6.

*Article 27***Safeguard clause**

1. In the case of products meeting the requirements listed in Article 25(1), where a competent authority ascertains, or has reasonable grounds for concern, that a cosmetic product or products made available on the market present or could present a serious risk to human health, it shall take all appropriate provisional measures in order to ensure that the product or products concerned are withdrawn, recalled or their availability is otherwise restricted.

2. The competent authority shall immediately communicate to the Commission and the competent authorities of the other Member States the measures taken and any supporting data.

For the purposes of the first subparagraph, the information exchange system provided for in Article 12(1) of Directive 2001/95/EC shall be used.

Article 12(2), (3) and (4) of Directive 2001/95/EC shall apply.

3. The Commission shall determine, as soon as possible, whether the provisional measures referred to in paragraph 1 are justified or not. For that purpose it shall, whenever possible, consult the interested parties, the Member States and the SCCS.

4. Where the provisional measures are justified, Article 31(1) shall apply.

5. Where the provisional measures are not justified the Commission shall inform the Member States thereof and the competent authority concerned shall repeal the provisional measures in question.

(<sup>1</sup>) OJ L 11, 15.1.2002, p. 4.

(<sup>2</sup>) OJ L 218, 13.8.2008, p. 30.

**▼B***Article 28***Good administrative practices**

1. Any decision taken pursuant to Articles 25 and 27 shall state the exact grounds on which it is based. It shall be notified by the competent authority without delay to the responsible person, who shall at the same time be informed of the remedies available to him under the law of the Member State concerned and of the time limits to which remedies are subject.
2. Except in the case where immediate action is necessary for reasons of serious risk to human health, the responsible person shall have the opportunity to put forward his viewpoint before any decision is taken.
3. Where applicable, the provisions mentioned in paragraphs 1 and 2 shall apply with regard to the distributor for any decisions taken pursuant to Articles 26 and 27.

**CHAPTER IX****ADMINISTRATIVE COOPERATION***Article 29***Cooperation between competent authorities**

1. The competent authorities of the Member States shall cooperate with each other and with the Commission to ensure the proper application and due enforcement of this Regulation and shall transmit to each other all information necessary with a view to applying this Regulation uniformly.
2. The Commission shall provide for the organisation of an exchange of experience between the competent authorities in order to coordinate the uniform application of this Regulation.
3. Cooperation may be part of initiatives developed at international level.

*Article 30***Cooperation regarding verification of product information files**

The competent authority of any Member State where the cosmetic product is made available may request the competent authority of the Member State where the product information file is made readily accessible to verify whether the product information file satisfies the requirements referred to in Article 11(2) and whether the information set out therein provides evidence of the safety of the cosmetic product.

The requesting competent authority shall provide a motivation for the request.

Upon that request, the competent authority requested shall, without undue delay and taking into account the degree of urgency, carry out the verification and shall inform the requesting competent authority of its findings.

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CHAPTER X

**IMPLEMENTING MEASURES, FINAL PROVISIONS**

*Article 31***Amendment of the Annexes**

1. Where there is a potential risk to human health, arising from the use of substances in cosmetic products, which needs to be addressed on a Community-wide basis, the Commission may, after consulting the SCCS, amend Annexes II to VI accordingly.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

On imperative grounds of urgency, the Commission may use the urgency procedure referred to in Article 32(4).

2. The Commission may, after consulting the SCCS, amend Annexes III to VI and VIII for the purposes of adapting them to technical and scientific progress.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

3. Where it appears necessary, in order to ensure the safety of cosmetic products placed on the market, the Commission may, after consulting the SCCS, amend Annex I.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 32(3).

*Article 32***Committee procedure**

1. The Commission shall be assisted by the Standing Committee on Cosmetic Products.

2. Where reference is made to this paragraph, Articles 5 and 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

The period laid down in Article 5(6) of Decision 1999/468/EC shall be set at three months.

3. Where reference is made to this paragraph, Article 5a(1) to (4) and Article 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

4. Where reference is made to this paragraph, Article 5a(1), (2), (4) and (6) and Article 7 of Decision 1999/468/EC shall apply having regard to the provisions of Article 8 thereof.

**▼B***Article 33***Glossary of common ingredient names**

The Commission shall compile and update a glossary of common ingredient names. To this end, the Commission shall take account of internationally recognised nomenclatures including the International Nomenclature of Cosmetic Ingredients (INCI). That glossary shall not constitute a list of the substances authorised for use in cosmetic products.

The common ingredient name shall be applied for the purpose of labelling cosmetic products placed on the market at the latest twelve months after publication of the glossary in the *Official Journal of the European Union*.

*Article 34***Competent authorities, poison control centres or assimilated entities**

1. Member States shall designate their national competent authorities.
2. Member States shall communicate the details of authorities referred to in paragraph 1 and of the poison centres and similar bodies referred to in Article 13(6) to the Commission. They shall communicate an update of these details as necessary.
3. The Commission shall compile and update a list of the authorities and bodies referred to in paragraph 2 and make it available to the public.

*Article 35***Annual report on animal testing**

Every year the Commission shall present a report to the European Parliament and the Council on:

- (1) progress made in the development, validation and legal acceptance of alternative methods. The report shall contain precise data on the number and type of experiments relating to cosmetic products carried out on animals. The Member States shall be obliged to collect that information in addition to collecting statistics as laid down by Directive 86/609/EEC. The Commission shall in particular ensure the development, validation and legal acceptance of alternative test methods which do not use live animals;
- (2) progress made by the Commission in its efforts to obtain acceptance by the OECD of alternative methods validated at Community level and recognition by third countries of the results of the safety tests carried out in the Community using alternative methods, in particular within the framework of cooperation agreements between the Community and these countries;
- (3) the manner in which the specific needs of small and medium-sized enterprises have been taken into account.

**▼B***Article 36***Formal objection against harmonised standards**

1. When a Member State or the Commission considers that a harmonised standard does not entirely satisfy the requirements set out in the relevant provisions of this Regulation, the Commission or the Member State concerned shall bring the matter before the Committee set up by Article 5 of Directive 98/34/EC, giving its arguments. The Committee shall deliver its opinion without delay.

2. In the light of the Committee's opinion, the Commission shall decide to publish, not to publish, to publish with restriction, to maintain, to maintain with restriction or to withdraw the references to the harmonised standard concerned in the *Official Journal of the European Union*.

3. The Commission shall inform the Member States and the European standardisation body concerned. It shall, if necessary, request the revision of the harmonised standards concerned.

*Article 37***Penalties**

Member States shall lay down the provisions on penalties applicable for infringement of the provisions of this Regulation and shall take all measures necessary to ensure that they are implemented. The penalties provided for must be effective, proportionate and dissuasive. The Member States shall notify those provisions to the Commission by 11 July 2013 and shall notify it without delay of any subsequent amendment affecting them.

*Article 38***Repeal**

Directive 76/768/EEC is repealed with effect from 11 July 2013, with the exception of Article 4b which is repealed with effect from 1 December 2010.

References to the repealed Directive shall be understood as references to this Regulation.

This Regulation shall be without prejudice to the obligations of the Member States relating to the time-limits for transposition into national law of the Directives set out in Part B of Annex IX.

However, the competent authorities shall continue to keep available the information received pursuant to Article 7(3) and Article 7a(4) of Directive 76/768/EEC and responsible persons shall continue to keep readily accessible the information collected pursuant to Article 7a of that Directive until 11 July 2020.

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*Article 39*

**Transitional provisions**

By way of derogation from Directive 76/768/EEC, cosmetic products which comply with this Regulation may be placed on the market before 11 July 2013.

As from 11 January 2012, by way of derogation from Directive 76/768/EEC, notification carried out in accordance with Article 13 of this Regulation shall be considered to comply with Article 7(3) and Article 7a(4) of that Directive.

*Article 40*

**Entry into force and date of application**

1. This Regulation shall enter into force on the [twentieth day after its publication in the *Official Journal of the European Union*]
2. It shall apply from 11 July 2013, with the exception of:
  - Article 15(1) and (2) which shall apply from 1 December 2010, as well as Articles 14, 31 and 32 to the extent that they are necessary to apply Article 15(1) and (2); and
  - Article 16(3) second subparagraph, which shall apply from 11 January 2013.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

**▼B***ANNEX I***COSMETIC PRODUCT SAFETY REPORT**

The cosmetic product safety report shall, as a minimum, contain the following:

**PART A – Cosmetic product safety information**

**1. Quantitative and qualitative composition of the cosmetic product**

The qualitative and quantitative composition of the cosmetic product, including chemical identity of the substances (incl. chemical name, INCI, CAS, EINECS/ELINCS, where possible) and their intended function. In the case of perfume and aromatic compositions, description of the name and code number of the composition and the identity of the supplier.

**2. Physical/chemical characteristics and stability of the cosmetic product**

The physical and chemical characteristics of the substances or mixtures, as well as the cosmetic product.

The stability of the cosmetics product under reasonably foreseeable storage conditions.

**3. Microbiological quality**

The microbiological specifications of the substance or mixture and the cosmetic product. Particular attention shall be paid to cosmetics used around the eyes, on mucous membranes in general, on damaged skin, on children under three years of age, on elderly people and persons showing compromised immune responses.

Results of preservation challenge test.

**4. Impurities, traces, information about the packaging material**

The purity of the substances and mixtures.

In the case of traces of prohibited substances, evidence for their technical unavoidability.

The relevant characteristics of packaging material, in particular purity and stability.

**5. Normal and reasonably foreseeable use**

The normal and reasonably foreseeable use of the product. The reasoning shall be justified in particular in the light of warnings and other explanations in the product labelling.

**6. Exposure to the cosmetic product**

Data on the exposure to cosmetic product taking into consideration the findings under Section 5 in relation to

1) The site(s) of application;

2) The surface area(s) of application;

3) The amount of product applied;

4) The duration and frequency of use;

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- 5) The normal and reasonably foreseeable exposure route(s);
- 6) The targeted (or exposed) population(s). Potential exposure of a specific population shall also be taken into account.

The calculation of the exposure shall also take into consideration the toxicological effects to be considered (e.g. exposure might need to be calculated per unit area of skin or per unit of body weight). The possibility of secondary exposure by routes other than those resulting from direct application should also be considered (e.g. non-intended inhalation of sprays, non-intended ingestion of lip products, etc.).

Particular consideration shall be given to any possible impacts on exposure due to particle sizes.

#### **7. Exposure to the substances**

Data on the exposure to the substances contained in the cosmetic product for the relevant toxicological endpoints taking into account the information under Section 6.

#### **8. Toxicological profile of the substances**

Without prejudice to Article 18, the toxicological profile of substance contained in the cosmetic product for all relevant toxicological endpoints. A particular focus on local toxicity evaluation (skin and eye irritation), skin sensitisation, and in the case of UV absorption photo-induced toxicity shall be made.

All significant toxicological routes of absorption shall be considered as well as the systemic effects and margin of safety (MoS) based on a no observed adverse effects level (NOAEL) shall be calculated. The absence of these considerations shall be duly justified.

Particular consideration shall be given to any possible impacts on the toxicological profile due to

- particle sizes, including nanomaterials,
- impurities of the substances and raw material used, and
- interaction of substances.

Any read-across shall be duly substantiated and justified.

The source of information shall be clearly identified.

#### **9. Undesirable effects and serious undesirable effects**

All available data on the undesirable effects and serious undesirable effects to the cosmetic product or, where relevant, other cosmetic products. This includes statistical data.

#### **10. Information on the cosmetic product**

Other relevant information, e.g. existing studies from human volunteers or the duly confirmed and substantiated findings of risk assessments carried out in other relevant areas.

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PART B – Cosmetic product safety assessment

**1. Assessment conclusion**

Statement on the safety of the cosmetic product in relation to Article 3.

**2. Labelled warnings and instructions of use**

Statement on the need to label any particular warnings and instructions of use in accordance with Article 19(1)(d).

**3. Reasoning**

Explanation of the scientific reasoning leading to the assessment conclusion set out under Section 1 and the statement set out under Section 2. This explanation shall be based on the descriptions set out under Part A. Where relevant, margins of safety shall be assessed and discussed.

There shall be inter alia a specific assessment for cosmetic products intended for use on children under the age of three and for cosmetic products intended exclusively for use in external intimate hygiene.

Possible interactions of the substances contained in the cosmetic product shall be assessed.

The consideration and non-consideration of the different toxicological profiles shall be duly justified.

Impacts of the stability on the safety of the cosmetic product shall be duly considered.

**4. Assessor's credentials and approval of part B**

Name and address of the safety assessor.

Proof of qualification of safety assessor.

Date and signature of safety assessor.

**▼B***Preamble to Annexes II to VI*

(1) For the purposes of the Annexes II to VI:

- (a) 'Rinse-off product' means a cosmetic product which is intended to be removed after application on the skin, the hair or the mucous membranes;
- (b) 'Leave-on product' means a cosmetic product which is intended to stay in prolonged contact with the skin, the hair or the mucous membranes;
- (c) 'Hair product' means a cosmetic product which is intended to be applied on the hair of head or face, except eye lashes;
- (d) 'Skin product' means a cosmetic product which is intended to be applied on the skin;
- (e) 'Lip product' means a cosmetic product which is intended to be applied on the lips;
- (f) 'Face product' means a cosmetic product which is intended to be applied on the skin of the face;
- (g) 'Nail product' means a cosmetic product which is intended to be applied on nails;
- (h) 'Oral product' means a cosmetic product which is intended to be applied on teeth or the mucous membranes of the oral cavity;
- (i) 'Product applied on mucous membranes' means a cosmetic product which is intended to be applied on the mucous membranes
  - of the oral cavity,
  - on the rim of the eyes,
  - or of the external genital organs;
- (j) 'Eye product' means a cosmetic product which is intended to be applied in the vicinity of the eyes;
- (k) 'Professional use' means the application and use of cosmetic products by persons in the exercise of their professional activity.

(2) In order to facilitate substance identification, the following descriptors are used:

- The Non-proprietary Names (INN) for pharmaceutical products, WHO, Geneva, August 1975;
- The Chemical Abstracts Service numbers (CAS);
- The EC number which correspond to either the European Inventory of Existing Commercial chemical Substances (EINECS) numbers or the European List of Notified Chemical Substances (ELINCS) numbers or the registration number given under Regulation (EC) No 1907/2006;
- The XAN which is the name approved by specific country (X), e.g. USAN which correspond to the United State approved name;
- The name in the glossary of common ingredient names referred to in Article 33 of this Regulation.

(3) Substances listed in Annexes III to VI do not cover nanomaterials, except where specifically mentioned.

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## ANNEX II

## LIST OF SUBSTANCES PROHIBITED IN COSMETIC PRODUCTS

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1	N-(5-Chlorobenzoxazol-2-yl)acetamide	35783-57-4	
2	(2-Acetoxyethyl)trimethylammonium hydroxide (Acetylcholine) and its salts	51-84-3	200-128-9
3	Deanol aceglumate (INN)	3342-61-8	222-085-5
4	Spironolactone (INN)	52-01-7	200-133-6
5	[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid (Tiratricol (INN)) and its salts	51-24-1	200-086-1
6	Methotrexate (INN)	59-05-2	200-413-8
7	Aminocaproic acid (INN) and its salts	60-32-2	200-469-3
8	Cinchophen (INN), its salts, derivatives and salts of these derivatives	132-60-5	205-067-1
9	Thyropropic acid (INN) and its salts	51-26-3	
10	Trichloroacetic acid	76-03-9	200-927-2
11	<i>Aconitum napellus</i> L. (leaves, roots and galenical preparations)	84603-50-9	283-252-6
12	Aconitine (principal alkaloid of <i>Aconitum napellus</i> L.) and its salts	302-27-2	206-121-7
13	<i>Adonis vernalis</i> L. and its preparations	84649-73-0	283-458-6
14	Epinephrine (INN)	51-43-4	200-098-7
15	<i>Rauwolfia serpentina</i> L., alkaloids and their salts	90106-13-1	290-234-1
16	Alkyne alcohols, their esters, ethers and salts		
17	Isoprenaline (INN)	7683-59-2	231-687-7
18	Allyl isothiocyanate	57-06-7	200-309-2
19	Alloclamide (INN) and its salts	5486-77-1	
20	Nalorphine (INN), its salts and ethers	62-67-9	200-546-1
21	Sympathomimetic amines acting on the central nervous system: any substance contained in the first list of medicaments which are subject to medical prescription and are referred to in resolution AP (69) 2 of the Council of Europe	300-62-9	206-096-2

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
22	Aniline, its salts and its halogenated and sulphonated derivatives	62-53-3	200-539-3
23	Betoxycaine (INN) and its salts	3818-62-0	
24	Zoxazolamine (INN)	61-80-3	200-519-4
25	Procainamide (INN), its salts and derivatives	51-06-9	200-078-8
26	Benzidine	92-87-5	202-199-1
27	Tuaminoheptane (INN), its isomers and salts	123-82-0	204-655-5
28	Octodrine (INN) and its salts	543-82-8	208-851-1
29	2-Amino-1,2-bis(4-methoxyphenyl)ethanol and its salts	530-34-7	
30	1,3-Dimethylpentylamine and its salts	105-41-9	203-296-1
31	4-Aminosalicylic acid and its salts	65-49-6	200-613-5
32	Toluidines, their isomers, salts and halogenated and sulphonated derivatives	26915-12-8	248-105-2
33	Xylidines, their isomers, salts and halogenated and sulphonated derivatives	1300-73-8	215-091-4
34	Imperatorin (9-(3-methylbut-2-enyloxy)furo[3,2-g]chromen-7-one)	482-44-0	207-581-1
35	<i>Ammi majus</i> L. and its galenical preparations	90320-46-0	291-072-4
36	2,3-Dichloro-2-methylbutane	507-45-9	
37	Substances with androgenic effect		
38	Anthracene oil	120-12-7	204-371-1
39	Antibiotics		
40	Antimony and its compounds	7440-36-0	231-146-5
41	<i>Apocynum cannabinum</i> L. and its preparations	84603-51-0	283-253-1
42	Apomorphine ((R) 5,6,6a,7-tetrahydro-6-methyl-4H-dibenzo[de,g]quinoline-10,11-diol) and its salts	58-00-4	200-360-0
43	Arsenic and its compounds	7440-38-2	231-148-6
44	<i>Atropa belladonna</i> L. and its preparations	8007-93-0	232-365-9
45	Atropine, its salts and derivatives	51-55-8	200-104-8
46	Barium salts, with the exception of barium sulphide under the conditions laid down in Annex III, and of barium sulfate, lakes, salts and pigments prepared from colouring agents when listed in Annex IV		
47	Benzene	71-43-2	200-753-7

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
48	Benzimidazol-2(3H)-one	615-16-7	210-412-4
49	Benzazepines and benzodiazepines	12794-10-4	
50	1-Dimethylaminomethyl-1-methylpropyl benzoate (amylcaine) and its salts	644-26-8	211-411-1
51	2,2,6-Trimethyl-4-piperidyl benzoate (eucaine) and its salts	500-34-5	
52	Isocarboxazid (INN)	59-63-2	200-438-4
53	Bendroflumethiazide (INN) and its derivatives	73-48-3	200-800-1
54	Beryllium and its compounds	7440-41-7	231-150-7
55	Bromine, elemental	7726-95-6	231-778-1
56	Bretylium tosilate (INN)	61-75-6	200-516-8
57	Carbromal (INN)	77-65-6	201-046-6
58	Bromisoval (INN)	496-67-3	207-825-7
59	Brompheniramine (INN) and its salts	86-22-6	201-657-8
60	Benzilonium bromide (INN)	1050-48-2	213-885-5
61	Tetrylammonium bromide (INN)	71-91-0	200-769-4
62	Brucine	357-57-3	206-614-7
63	Tetracaine (INN) and its salts	94-24-6	202-316-6
64	Mofebutazone (INN)	2210-63-1	218-641-1
65	Tolbutamide (INN)	64-77-7	200-594-3
66	Carbutamide (INN)	339-43-5	206-424-4
67	Phenylbutazone (INN)	50-33-9	200-029-0
68	Cadmium and its compounds	7440-43-9	231-152-8
69	Cantharides, <i>Cantharis vesicatoria</i>	92457-17-5	296-298-7
70	Cantharidine	56-25-7	200-263-3
71	Phenprobamate (INN)	673-31-4	211-606-1
72	Nitroderivatives of carbazole		
73	Carbon disulphide	75-15-0	200-843-6
74	Catalase	9001-05-2	232-577-1
75	Cephaeline and its salts	483-17-0	207-591-6
76	<i>Chenopodium ambrosioides</i> L. (essential oil)	8006-99-3	

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
77	2,2,2-Trichloroethane-1,1-diol	302-17-0	206-117-5
78	Chlorine	7782-50-5	231-959-5
79	Chlorpropamide (INN)	94-20-2	202-314-5
80	Moved or deleted		
81	4-Phenylazophenylene-1,3-diamine citrate hydrochloride (chrysoidine citrate hydrochloride)	5909-04-6	
82	Chlorzoxazone (INN)	95-25-0	202-403-9
83	2-Chloro-6-methylpyrimidin-4-ylidemethylamine (cridimidine-ISO)	535-89-7	208-622-6
84	Chlorprothixene (INN) and its salts	113-59-7	204-032-8
85	Clofenamide (INN)	671-95-4	211-588-5
86	<i>N,N</i> -bis(2-chloroethyl)methylamine <i>N</i> -oxide and its salts	126-85-2	
87	Chlormethine (INN) and its salts	51-75-2	200-120-5
88	Cyclophosphamide (INN) and its salts	50-18-0	200-015-4
89	Mannomustine (INN) and its salts	576-68-1	209-404-3
90	Butanilicaine (INN) and its salts	3785-21-5	
91	Chlormezanone (INN)	80-77-3	201-307-4
92	Triparanol (INN)	78-41-1	201-115-0
93	2-[2(4-Chlorophenyl)-2-phenylacetyl]indane-1,3-dione (chlorophacinone-ISO)	3691-35-8	223-003-0
94	Chlorphenoxamine (INN)	77-38-3	
95	Phenaglycodol (INN)	79-93-6	201-235-3
96	Chloroethane	75-00-3	200-830-5
97	Chromium; chromic acid and its salts	7440-47-3	231-157-5
98	<i>Claviceps purpurea</i> Tul., its alkaloids and galenical preparations	84775-56-4	283-885-8
99	<i>Conium maculatum</i> L. (fruit, powder, galenical preparations)	85116-75-2	285-527-6
100	Glycyclamide (INN)	664-95-9	211-557-6
101	Cobalt benzenesulphonate	23384-69-2	
102	Colchicine, its salts and derivatives	64-86-8	200-598-5
103	Colchicoside and its derivatives	477-29-2	207-513-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
104	<i>Colchicum autumnale</i> L. and its galenical preparations	84696-03-7	283-623-2
105	Convallatoxin	508-75-8	208-086-3
106	<i>Anamirta cocculus</i> L. (fruit)		
107	<i>Croton tiglium</i> L. (oil)	8001-28-3	
108	1-Butyl-3-( <i>N</i> -crotonoylsulphanilyl)urea	52964-42-8	
109	Curare and curarine	8063-06-7/ 22260-42-0	232-511-1/ 244-880-6
110	Synthetic curarizants		
111	Hydrogen cyanide and its salts	74-90-8	200-821-6
112	Feclomine (INN); 2-(alpha-Cyclohexylbenzyl)- <i>N,N,N',N'</i> -tetraethyl-1,3-propanediamine	3590-16-7	
113	Cyclomenol (INN) and its salts	5591-47-9	227-002-6
114	Sodium hexacyclonate (INN)	7009-49-6	
115	Hexapropymate (INN)	358-52-1	206-618-9
116	Moved or deleted		
117	<i>O,O'</i> -Diacetyl- <i>N</i> -allyl- <i>N</i> -normorphine	2748-74-5	
118	Pipazetate (INN) and its salts	2167-85-3	218-508-8
119	5-( $\alpha,\beta$ -Dibromophenethyl)-5-methylhydantoin	511-75-1	208-133-8
120	<i>N,N'</i> -Pentamethylenebis(trimethylammonium) salts, e. g. pentamethonium bromide (INN)	541-20-8	208-771-7
121	<i>N,N'</i> -[(Methylimino)diethylene]bis(ethyldimethyl- ammonium) salts, e. g. azamethonium bromide (INN)	306-53-6	206-186-1
122	Cyclarbamate (INN)	5779-54-4	227-302-7
123	Clofenotane (INN); DDT (ISO)	50-29-3	200-024-3
124	<i>N,N'</i> -Hexamethylenebis(trimethylammonium) salts, e. g. hexamethonium bromide (INN)	55-97-0	200-249-7
125	Dichloroethanes (ethylene chlorides) e.g. 1,2-Dichloroethane	107-06-2	203-458-1
126	Dichloroethylenes (acetylene chlorides) e.g. Vinylidene chloride (1,1-Dichloroethylene)	75-35-4	200-864-0
127	Lysergide (INN) (LSD) and its salts	50-37-3	200-033-2
128	2-Diethylaminoethyl 3-hydroxy-4-phenylbenzoate and its salts	3572-52-9	222-686-2
129	Cinchocaine (INN) and its salts	85-79-0	201-632-1

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
130	3-Diethylaminopropyl cinnamate	538-66-9	
131	<i>O,O'</i> -Diethyl- <i>O</i> -4-nitrophenyl phosphorothioate (Parathion - ISO)	56-38-2	200-271-7
132	[Oxalylbis(iminoethylene)]bis[( <i>o</i> -chlorobenzyl)diethylammonium] salts, e. g. ambenonium chloride (INN)	115-79-7	204-107-5
133	Methyprylon (INN) and its salts	125-64-4	204-745-4
134	Digitaline and all heterosides of <i>Digitalis purpurea</i> L.	752-61-4	212-036-6
135	7-[2-Hydroxy-3-(2-hydroxyethyl- <i>N</i> -methylamino)propyl]theophylline (xanthinol)	2530-97-4	
136	Dioxethedrin (INN) and its salts	497-75-6	207-849-8
137	Piprocurarium iodide (INN)	3562-55-8	222-627-0
138	Propyphenazone (INN)	479-92-5	207-539-2
139	Tetrabenazine (INN) and its salts	58-46-8	200-383-6
140	Captodiame (INN)	486-17-9	207-629-1
141	Mefeclorazine (INN) and its salts	1243-33-0	
142	Dimethylamine	124-40-3	204-697-4
143	1,1-Bis(dimethylaminomethyl)propyl benzoate (amydriacaine, alypine) and its salts	963-07-5	213-512-6
144	Methapyrilene (INN) and its salts	91-80-5	202-099-8
145	Metamfepramone (INN) and its salts	15351-09-4	239-384-1
146	Amitriptyline (INN) and its salts	50-48-6	200-041-6
147	Metformin (INN) and its salts	657-24-9	211-517-8
148	Isosorbide dinitrate (INN)	87-33-2	201-740-9
149	Malononitrile	109-77-3	203-703-2
150	Succinonitrile	110-61-2	203-783-9
151	Dinitrophenol isomers	51-28-5/329-71-5/573-56-8/25550-58-7	200-087-7/ 206-348-1/ 209-357-9/ 247-096-2
152	Inproquone (INN)	436-40-8	
153	Dimevamide (INN) and its salts	60-46-8	200-479-8
154	Diphenylpyraline (INN) and its salts	147-20-6	205-686-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
155	Sulfinpyrazone (INN)	57-96-5	200-357-4
156	<i>N</i> -(3-Carbamoyl-3,3-diphenylpropyl)- <i>N,N</i> -diisopropylmethyl-ammonium salts, e. g. isopropamide iodide (INN)	71-81-8	200-766-8
157	Benactyzine (INN)	302-40-9	206-123-8
158	Benzatropine (INN) and its salts	86-13-5	
159	Cyclizine (INN) and its salts	82-92-8	201-445-5
160	5,5-Diphenyl-4-imidazolidone (Doxenitoin (INN))	3254-93-1	221-851-6
161	Probenecid (INN)	57-66-9	200-344-3
162	Disulfiram (INN); thiram (INN)	97-77-8/137-26-8	202-607-8/205-286-2
163	Emetine, its salts and derivatives	483-18-1	207-592-1
164	Ephedrine and its salts	299-42-3	206-080-5
165	Oxanamide (INN) and its derivatives	126-93-2	
166	Eserine or physostigmine and its salts	57-47-6	200-332-8
<b>▼M1</b>			
167	4-Aminobenzoic acid and its esters, with the free amino group	150-13-0	205-753-0
<b>▼B</b>			
168	Choline salts and their esters, e. g. choline chloride (INN)	67-48-1	200-655-4
169	Caramiphen (INN) and its salts	77-22-5	201-013-6
170	Diethyl 4-nitrophenyl phosphate (Paraoxon - ISO)	311-45-5	206-221-0
171	Metethoheptazine (INN) and its salts	509-84-2	
172	Oxpheneridine (INN) and its salts	546-32-7	
173	Ethoheptazine (INN) and its salts	77-15-6	201-007-3
174	Methoheptazine (INN) and its salts	469-78-3	
175	Methylphenidate (INN) and its salts	113-45-1	204-028-6
176	Doxylamine (INN) and its salts	469-21-6	207-414-2
177	Tolboxane (INN)	2430-46-8	
178	4-Benzylxyphenol and 4-ethoxyphenol	103-16-2/622-62-8	203-083-3/210-748-1
179	Parethoxycaine (INN) and its salts	94-23-5	205-246-4

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
180	Fenozolone (INN)	15302-16-6	239-339-6
181	Glutethimide (INN) and its salts	77-21-4	201-012-0
182	Ethylene oxide	75-21-8	200-849-9
183	Bemegride (INN) and its salts	64-65-3	200-588-0
184	Valnoctamide (INN)	4171-13-5	224-033-7
185	Haloperidol (INN)	52-86-8	200-155-6
186	Paramethasone (INN)	53-33-8	200-169-2
187	Fluanisone (INN)	1480-19-9	216-038-8
188	Trifluperidol (INN)	749-13-3	
189	Fluoresone (INN)	2924-67-6	220-889-0
190	Fluorouracil (INN)	51-21-8	200-085-6
191	Hydrofluoric acid, its normal salts, its complexes and hydrofluorides with the exception of those given in Annex III	7664-39-3	231-634-8
192	Furfuryltrimethylammonium salts, e. g. furtrethonium iodide (INN)	541-64-0	208-789-5
193	Galantamine (INN)	357-70-0	
194	Progestogens		
195	1,2,3,4,5,6-Hexachlorocyclohexane (BHC-ISO)	58-89-9	200-401-2
196	(1 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,8 <i>S</i> )-1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethano-naphthalene (endrin-ISO)	72-20-8	200-775-7
197	Hexachloroethane	67-72-1	200-666-4
198	(1 <i>R</i> ,4 <i>S</i> ,5 <i>R</i> ,8 <i>S</i> )-1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene (isodrin-ISO)	465-73-6	207-366-2
199	Hydрастine, hydrastinine and their salts	118-08-1/ 6592-85-4	204-233-0/ 229-533-9
200	Hydrazides and their salts e.g. Isoniazid (INN)	54-85-3	200-214-6
201	Hydrazine, its derivatives and their salts	302-01-2	206-114-9
202	Octamoxin (INN) and its salts	4684-87-1	
203	Warfarin (INN) and its salts	81-81-2	201-377-6
204	Ethyl bis(4-hydroxy-2-oxo-1-benzopyran-3-yl)acetate and salts of the acid	548-00-5	208-940-5

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
205	Methocarbamol (INN)	532-03-6	208-524-3
206	Propatrinitrate (INN)	2921-92-8	220-866-5
207	4,4'-Dihydroxy-3,3'-(3-methylthiopropylidene) dicoumarin		
208	Fenadiazole (INN)	1008-65-7	
209	Nitroxoline (INN) and its salts	4008-48-4	223-662-4
210	Hyoscyamine, its salts and derivatives	101-31-5	202-933-0
211	<i>Hyoscyamus niger</i> L. (leaves, seeds, powder and galenical preparations)	84603-65-6	283-265-7
212	Pemoline (INN) and its salts	2152-34-3	218-438-8
213	Iodine	7553-56-2	231-442-4
214	Decamethylenebis(trimethylammonium) salts, e. g. decamethonium bromide (INN)	541-22-0	208-772-2
215	Ipecacuanha ( <i>Cephaelis ipecacuanha</i> Brot. and related species) (roots, powder and galenical preparations)	8012-96-2	232-385-8
216	(2-Isopropylpent4-enoyl)urea (apronalide)	528-92-7	208-443-3
217	$\alpha$ -Santonin [(3S,5aR,9bS)-3,3a,4,5,5a,9b-hexahydro-3,5a,9-trimethylnaphto [1,2-b] furan-2,8-dione]	481-06-1	207-560-7
218	<i>Lobelia inflata</i> L. and its galenical preparations	84696-23-1	283-642-6
219	Lobeline (INN) and its salts	90-69-7	202-012-3
220	Barbiturates		
221	Mercury and its compounds, except those special cases included in Annex V	7439-97-6	231-106-7
222	3,4,5-Trimethoxyphenethylamine (Mescaline) and its salts	54-04-6	200-190-7
223	Metaldehyde	9002-91-9	
224	2-(4-Allyl-2-methoxyphenoxy)-N,N-diethylacetamide and its salts	305-13-5	
225	Coumetarol (INN)	4366-18-1	224-455-1
226	Dextromethorphan (INN) and its salts	125-71-3	204-752-2
227	2-Methylheptylamine and its salts	540-43-2	
228	Isomethcptene (INN) and its salts	503-01-5	207-959-6
229	Mecamylamine (INN)	60-40-2	200-476-1

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Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
230	Guaifenesin (INN)	93-14-1	202-222-5
231	Dicoumarol (INN)	66-76-2	200-632-9
232	Phenmetrazine (INN), its derivatives and salts	134-49-6	205-143-4
233	Thiamazole (INN)	60-56-0	200-482-4
234	3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H,5H-pyrano [3,2-c]-[1] benzopyran-5-one (cyclocoumarol)	518-20-7	208-248-3
235	Carisoprodol (INN)	78-44-4	201-118-7
236	Meprobamate (INN)	57-53-4	200-337-5
237	Tefazoline (INN) and its salts	1082-56-0	
238	Arecoline	63-75-2	200-565-5
239	Poldine metilsulfate (INN)	545-80-2	208-894-6
240	Hydroxyzine (INN)	68-88-2	200-693-1
241	2-Naphthol	135-19-3	205-182-7
242	1-and 2-Naphthylamines and their salts	134-32-7/91-59-8	205-138-7/202-080-4
243	3-(1-Naphthyl)-4-hydroxycoumarin	39923-41-6	
244	Naphazoline (INN) and its salts	835-31-4	212-641-5
245	Neostigmine and its salts e. g. neostigmine bromide (INN)	114-80-7	204-054-8
246	Nicotine and its salts	54-11-5	200-193-3
247	Amyl nitrites	110-46-3	203-770-8
248	Inorganic nitrites, with the exception of sodium nitrite	14797-65-0	
249	Nitrobenzene	98-95-3	202-716-0
250	Nitrocresols and their alkali metal salts	12167-20-3	
251	Nitrofurantoin (INN)	67-20-9	200-646-5
252	Furazolidone (INN)	67-45-8	200-653-3
253	Nitroglycerin; Propane-1,2,3-triyl trinitrate	55-63-0	200-240-8
254	Acenocoumarol (INN)	152-72-7	205-807-3
255	Alkali pentacyanonitrosylferrate (2-) e.g.	14402-89-2/ 13755-38-9	238-373-9 / -
256	Nitrostilbenes, their homologues and their derivatives		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
257	Noradrenaline and its salts	51-41-2	200-096-6
258	Noscapine (INN) and its salts	128-62-1	204-899-2
259	Guanethidine (INN) and its salts	55-65-2	200-241-3
260	Oestrogens		
261	Oleandrin	465-16-7	207-361-5
262	Chlortalidone (INN)	77-36-1	201-022-5
263	Pelletierine and its salts	2858-66-4/ 4396-01-4	220-673-6/ 224-523-0
264	Pentachloroethane	76-01-7	200-925-1
265	Pentaerithrityl tetranitrate (INN)	78-11-5	201-084-3
266	Petriclormal (INN)	78-12-6	
267	Octamylamine (INN) and its salts	502-59-0	207-947-0
268	Picric acid	88-89-1	201-865-9
269	Phenacemide (INN)	63-98-9	200-570-2
270	Difenclooxazine (INN)	5617-26-5	
271	2-Phenylindan-1,3-dione (phenindione (INN))	83-12-5	201-454-4
272	Ethylphenacemide (pheneturide (INN))	90-49-3	201-998-2
273	Phenprocoumon (INN)	435-97-2	207-108-9
274	Fenyramidol (INN)	553-69-5	209-044-7
275	Triamterene (INN) and its salts	396-01-0	206-904-3
276	Tetraethyl pyrophosphate (TEPP - ISO)	107-49-3	203-495-3
277	Tritolyl phosphate	1330-78-5	215-548-8
278	Psilocybine (INN)	520-52-5	208-294-4
279	Phosphorus and metal phosphides	7723-14-0	231-768-7
280	Thalidomide (INN) and its salts	50-35-1	200-031-1
281	<i>Physostigma venenosum</i> Balf.	89958-15-6	289-638-0
282	Picrotoxin	124-87-8	204-716-6
283	Pilocarpine and its salts	92-13-7	202-128-4
284	α-Piperidin-2-ylbenzyl acetate, laevorotatory threoform (levofacetoperane (INN)) and its salts	24558-01-8	

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
285	Pipradrol (INN) and its salts	467-60-7	207-394-5
286	Azacyclonol (INN) and its salts	115-46-8	204-092-5
287	Bietamiverine (INN)	479-81-2	207-538-7
288	Butopiprime (INN) and its salts	55837-15-5	259-848-7
289	Lead and its compounds	7439-92-1	231-100-4
290	Coniine	458-88-8	207-282-6
291	<i>Prunus laurocerasus</i> L. ('cherry laurel water')	89997-54-6	289-689-9
292	Metyrapone (INN)	54-36-4	200-206-2
293	Radioactive substances, as defined by Directive 96/29/Euratom ( <sup>1</sup> ) laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation		
294	<i>Juniperus sabina</i> L. (leaves, essential oil and galenical preparations)	90046-04-1	289-971-1
295	Hyoscine, its salts and derivatives	51-34-3	200-090-3
296	Gold salts		
297	Selenium and its compounds with the exception of selenium disulphide under the conditions set out under reference No 49 in Annex III	7782-49-2	231-957-4
298	<i>Solanum nigrum</i> L. and its galenical preparations	84929-77-1	284-555-6
299	Sparteine (INN) and its salts	90-39-1	201-988-8
300	Glucocorticoids (Corticosteroids)		
301	<i>Datura stramonium</i> L. and its galenical preparations	84696-08-2	283-627-4
302	Strophantines, their aglucones and their respective derivatives	11005-63-3	234-239-9
303	<i>Strophantus</i> species and their galenical preparations		
304	Strychnine and its salts	57-24-9	200-319-7
305	<i>Strychnos</i> species and their galenical preparations		
306	Narcotics, natural and synthetic: All substances listed in Tables I and II of the single Convention on narcotic drugs signed in New York on 30 March 1961		
307	Sulphonamides (sulphanilamide and its derivatives obtained by substitution of one or more H-atoms of the -NH <sub>2</sub> groups) and their salts		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
308	Sultiamé (INN)	61-56-3	200-511-0
309	Neodymium and its salts	7440-00-8	231-109-3
310	Thiotepa (INN)	52-24-4	200-135-7
311	<i>Pilocarpus jaborandi</i> Holmes and its galenical preparations	84696-42-4	283-649-4
312	Tellurium and its compounds	13494-80-9	236-813-4
313	Xylometazoline (INN) and its salts	526-36-3	208-390-6
314	Tetrachloroethylene	127-18-4	204-825-9
315	Carbon tetrachloride	56-23-5	200-262-8
316	Hexaethyl tetraphosphate	757-58-4	212-057-0
317	Thallium and its compounds	7440-28-0	231-138-1
318	<i>Thevetia nerifolia</i> Juss., glycoside extract	90147-54-9	290-446-4
319	Ethionamide (INN)	536-33-4	208-628-9
320	Phenothiazine (INN) and its compounds	92-84-2	202-196-5
321	Thiourea and its derivatives, with the exception of the one listed in Annex III	62-56-6	200-543-5
322	Mephenesin (INN) and its esters	59-47-2	200-427-4
323	Vaccines, toxins or serums defined as immunological medicinal products pursuant to Article 1(4) of Directive 2001/83/EC		
324	Tranylcypromine (INN) and its salts	155-09-9	205-841-9
325	Trichloronitromethane (chloropicrine)	76-06-2	200-930-9
326	2,2,2-Tribromoethanol (tribromoethyl alcohol)	75-80-9	200-903-1
327	Trichlormethine (INN) and its salts	817-09-4	212-442-3
328	Tretamine (INN)	51-18-3	200-083-5
329	Gallamine triethiodide (INN)	65-29-2	200-605-1
330	<i>Urginea scilla</i> Steinh. and its galenical preparations	84650-62-4	283-520-2
331	Veratrine, its salts and galenical preparations	8051-02-3	613-062-00-4
332	<i>Schoenocaulon officinale</i> Lind (seeds and galenical preparations)	84604-18-2	283-296-6
333	<i>Veratrum</i> spp. and their preparations	90131-91-2	290-407-1

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
334	Vinyl chloride monomer	75-01-4	200-831-0
335	Ergocalciferol (INN) and cholecalciferol (vitamins D <sub>2</sub> and D <sub>3</sub> )	50-14-6/67-97-0	200-014-9/ 200-673-2
336	Salts of <i>O</i> -alkyldithiocarbonic acids (xanthates)		
337	Yohimbine and its salts	146-48-5	205-672-0
338	Dimethyl sulfoxide (INN)	67-68-5	200-664-3
339	Diphenhydramine (INN) and its salts	58-73-1	200-396-7
340	4-tert-Butylphenol	98-54-4	202-679-0
341	4-tert-Butylpyrocatechol	98-29-3	202-653-9
342	Dihydrotachysterol (INN)	67-96-9	200-672-7
343	Dioxane	123-91-1	204-661-8
344	Morpholine and its salts	110-91-8	203-815-1
345.	<i>Pyrethrum album</i> L. and its galenical preparations		
346	2-[4-Methoxybenzyl- <i>N</i> -(2-pyridyl)amino]ethylidemethylamine maleate (Mepyramine maleate; pyrilamine maleate)	59-33-6	200-422-7
347	Tripeleannamine (INN)	91-81-6	202-100-1
348	Tetrachlorosalicylanilides	7426-07-5	
349	Dichlorosalicylanilides	1147-98-4	
350	Tetrabromosalicylanilides		
351	Dibromosalicylanilides		
352	Bithionol (INN)	97-18-7	202-565-0
353	Thiuram monosulphides	97-74-5	202-605-7
354	Moved or deleted		
355	Dimethylformamide (N,N-Dimethylformamide)	68-12-2	200-679-5
356	4-Phenylbut-3-en-2-one (Benzylidene acetone)	122-57-6	204-555-1
357	Benzoates of 4-hydroxy-3-methoxycinnamyl alcohol (coniferyl alcohol) except for normal content in natural essences used		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
358	Furocoumarines (e. g. trioxysalen (INN), 8-methoxypсорален, 5-methoxypсорален) except for normal content in natural essences used. In sun protection and in bronzing products, furocoumarines shall be below 1 mg/kg	3902-71-4/ 298-81-7/ 484-20-8	223-459-0/ 206-066-9/ 207-604-5
359	Oil from the seeds of <i>Laurus nobilis</i> L.	84603-73-6	283-272-5
360	Safrole except for normal content in the natural essences used and provided the concentration does not exceed: 100 ppm in the finished product, 50 ppm in products for dental and oral hygiene, and provided that Safrole is not present in toothpastes intended specifically for children	94-59-7	202-345-4
361	5,5'-Di-isopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihy-poiotide (thymol iodide)	552-22-7	209-007-5
362	3'-Ethyl-5',6',7',8'-tetrahydro-5',5',8',8'-tetramethyl-2'-acetonaphthone or 7-acetyl-6-ethyl-1,1,4,4-tetramethyl-1,2,3,4-tetrahydronaphthalen (AETT; Versalide)	88-29-9	201-817-7
363	<i>o</i> -Phenylenediamine and its salts	95-54-5	202-430-6
364	4-Methyl- <i>m</i> -phenylenediamine (Toluene-2,4-diamine) and its salts	95-80-7	202-453-1
365	Aristolochic acid and its salts; <i>Aristolochia</i> spp. and their preparations	475-80-9/ 313-67-7/ 15918-62-4	202-499-6/ 206-238-3/-
366	Chloroform	67-66-3	200-663-8
367	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1746-01-6	217-122-7
368	2,6-Dimethyl-1,3-dioxan-4-yl acetate (Dimethoxane)	828-00-2	212-579-9
369	Pyrithione sodium (INNM) (2)	3811-73-2	223-296-5
370	<i>N</i> -(Trichloromethylthio)-4-cyclohexene-1,2-dicarboximide (Captan - ISO)	133-06-2	205-087-0
371	2,2'-Dihydroxy-3,3',5,5',6,6'-hexachlorodiphenylmethane (Hexachlorophene (INN))	70-30-4	200-733-8
372	6-(Piperidinyl)-2,4-pyrimidinediamine 3-oxide (Minoxidil (INN)) and its salts	38304-91-5	253-874-2
373	3,4',5-Tribromosalicylanilide (Tribromosalan (INN))	87-10-5	201-723-6
374	<i>Phytolacca</i> spp. and their preparations	65497-07-6/ 60820-94-2	
375	Tretinoïn (INN) (retinoic acid and its salts)	302-79-4	206-129-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
376	1-Methoxy-2,4-diaminobenzene (2,4-diaminoanisole - CI 76050) and its salts	615-05-4	210-406-1
377	1-Methoxy-2,5-diaminobenzene (2,5-diaminoanisole) and its salts	5307-02-8	226-161-9
378	Colouring agent CI 12140	3118-97-6	221-490-4
379	Colouring agent CI 26105 (Solvent Red 24)	85-83-6	201-635-8
380	Colouring agent CI 42555 (Basic Violet 3) Colouring agent CI 42555:1 Colouring agent CI 42555:2	548-62-9 467-63-0	208-953-6 207-396-6
381	Amyl 4-dimethylaminobenzoate, mixed isomers (Padimate A (INN))	14779-78-3	238-849-6
383	2-Amino-4-nitrophenol	99-57-0	202-767-9
384	2-Amino-5-nitrophenol	121-88-0	204-503-8
385	11- $\alpha$ -Hydroxypregn-4-ene-3,20-dione and its esters	80-75-1	201-306-9
386	Colouring agent CI 42640 ([4-[[4-(Dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt)	1694-09-3	216-901-9
387	Colouring agent CI 13065	587-98-4	209-608-2
388	Colouring agent CI 42535 (Basic Violet 1)	8004-87-3	
389	Colouring agent CI 61554 (Solvent Blue 35)	17354-14-2	241-379-4
390	Anti-androgens of steroidal structure		
391	Zirconium and its compounds, with the exception of the substances listed under reference number 50 in Annex III, and the zirconium lakes, pigments or salts of the colouring agents when listed in Annex IV	7440-67-7	231-176-9
392	Moved or deleted		
393	Acetonitrile	75-05-8	200-835-2
394	Tetrahydrozoline (Tetryzoline (INN)) and its salts	84-22-0	201-522-3
395	Hydroxy-8-quinoline and its sulphate, except for the uses provided for in No 51 in Annex III	148-24-3/ 134-31-6	205-711-1/ 205-137-1
396	Dithio-2,2-bispyridine-dioxide 1,1' (additive with trihydrated magnesium sulphate) - (pyrithione disulphide + magnesium sulphate)	43143-11-9	256-115-3

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
397	Colouring agent CI 12075 (Pigment Orange 5) and its lakes, pigments and salts	3468-63-1	222-429-4
398	Colouring agent CI 45170 and CI 45170:1 (Basic Violet 10)	81-88-9/509-34-2	201-383-9/208-096-8
399	Lidocaine (INN)	137-58-6	205-302-8
400	1,2-Epoxybutane	106-88-7	203-438-2
401	Colouring agent CI 15585	5160-02-1/2092-56-0	225-935-3/218-248-5
402	Strontium lactate	29870-99-3	249-915-9
403	Strontium nitrate	10042-76-9	233-131-9
404	Strontium polycarboxylate		
405	Pramocaine (INN)	140-65-8	205-425-7
406	4-Ethoxy-m-phenylenediamine and its salts	5862-77-1	
407	2,4-Diaminophenylethanol and its salts	14572-93-1	
408	Pyrocatechol (Catechol)	120-80-9	204-427-5
409	Pyrogallol	87-66-1	201-762-9
410	Nitrosamines e.g. Dimethylnitrosoamine; Nitrosodi-propylamine; 2,2'-Nitrosoimino)bisethanol	62-75-9/621-64-7/1116-54-7	200-549-8/210-698-0/214-237-4
411	Secondary alkyl- and alkanolamines and their salts		
412	4-Amino-2-nitrophenol	119-34-6	204-316-1
413	2-Methyl-m-phenylenediamine (Toluene-2,6-diamine)	823-40-5	212-513-9
414	4- <i>tert</i> -Butyl-3-methoxy-2,6-dinitrotoluene (Musk Ambrette)	83-66-9	201-493-7
415	Moved or deleted		
416	Cells, tissues or products of human origin		
417	3,3-Bis(4-hydroxyphenyl)phthalide (Phenolphthalein (INN))	77-09-8	201-004-7
418	3-Imidazol-4-ylacrylic acid (Urocanic acid) and its ethyl ester	104-98-3/27538-35-8	203-258-4/248-515-1
419	Category 1 material and Category 2 material as defined in Articles 4 and 5 respectively of Regulation (EC) No 1774/2002 of the European Parliament and of the Council (3), and ingredients derived therefrom		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
420	Crude and refined coal tars	8007-45-2	232-361-7
421	1,1,3,3,5-Pentamethyl-4,6-dinitroindane (Moskene)	116-66-5	204-149-4
422	5- <i>tert</i> .-Butyl-1,2,3-trimethyl-4,6-dinitrobenzene (Musk Tibetene)	145-39-1	205-651-6
423	Alanroot oil ( <i>Inula helenium</i> L.), when used as a fragrance ingredient	97676-35-2	
424	Benzyl cyanide, when used as a fragrance ingredient	140-29-4	205-410-5
425	Cyclamen alcohol, when used as a fragrance ingredient	4756-19-8	225-289-2
426	Diethyl maleate, when used as a fragrance ingredient	141-05-9	205-451-9
427	3,4-Dihydrocoumarin, when used as a fragrance ingredient	119-84-6	204-354-9
428	2,4-Dihydroxy-3-methylbenzaldehyde, when used as a fragrance ingredient	6248-20-0	228-369-5
429	3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol), when used as a fragrance ingredient	40607-48-5	254-999-5
430	4,6-Dimethyl-8- <i>tert</i> -butylcoumarin, when used as a fragrance ingredient	17874-34-9	241-827-9
431	Dimethyl citraconate, when used as a fragrance ingredient	617-54-9	
432	7,11-Dimethyl-4,6,10-dodecatrien-3-one (Pseudomethyl-ionone), when used as a fragrance ingredient	26651-96-7	247-878-3
433	6,10-Dimethyl-3,5,9-undecatrien-2-one (Pseudoionone), when used as a fragrance ingredient	141-10-6	205-457-1
434	Diphenylamine, when used as a fragrance ingredient	122-39-4	204-539-4
435	Ethyl acrylate, when used as a fragrance ingredient	140-88-5	205-438-8
436	Fig leaf absolute ( <i>Ficus carica</i> L.), when used as a fragrance ingredient	68916-52-9	
437	<i>trans</i> -2-Heptenal, when used as a fragrance ingredient	18829-55-5	242-608-0

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
438	<i>trans</i> -2-Hexenal diethyl acetal, when used as a fragrance ingredient	67746-30-9	266-989-8
439	<i>trans</i> -2-Hexenal dimethyl acetal, when used as a fragrance ingredient	18318-83-7	242-204-4
440	Hydroabietyl alcohol, when used as a fragrance ingredient	13393-93-6	236-476-3
441	6-Isopropyl-2-decahydronaphthalenol, when used as a fragrance ingredient	34131-99-2	251-841-7
442	7-Methoxycoumarin, when used as a fragrance ingredient	531-59-9	208-513-3
443	4-(4-Methoxyphenyl)-3-butene-2-one (Anisylidene acetone), when used as a fragrance ingredient	943-88-4	213-404-9
444	1-(4-Methoxyphenyl)-1-penten-3-one (alpha-Methylanisylideneacetone), when used as a fragrance ingredient	104-27-8	203-190-5
445	Methyl <i>trans</i> -2-butenoate, when used as a fragrance ingredient	623-43-8	210-793-7
446	7-Methylcoumarin, when used as a fragrance ingredient	2445-83-2	219-499-3
447	5-Methyl-2,3-hexanedione (Acetyl isovaleryl), when used as a fragrance ingredient	13706-86-0	237-241-8
448	2-Pentylidenecyclohexanone, when used as a fragrance ingredient	25677-40-1	247-178-8
449	3,6,10-Trimethyl-3,5,9-undecatrien-2-one (Pseudo-Isomethyl ionone), when used as a fragrance ingredient	1117-41-5	214-245-8
<b>▼M1</b>			
450	Verbena essential oils ( <i>Lippia citriodora</i> Kunth.) and derivatives other than absolute when used as a fragrance ingredient	8024-12-2	285-515-0
<b>▼B</b>			
451	Moved or deleted		
452	6-(2-Chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane	37894-46-5	253-704-7
453	Cobalt dichloride	7646-79-9	231-589-4
454	Cobalt sulphate	10124-43-3	233-334-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
455	Nickel monoxide	1313-99-1	215-215-7
456	Dinickel trioxide	1314-06-3	215-217-8
457	Nickel dioxide	12035-36-8	234-823-3
458	Trinickel disulphide	12035-72-2	234-829-6
459	Tetracarbonylnickel	13463-39-3	236-669-2
460	Nickel sulphide	16812-54-7	240-841-2
461	Potassium bromate	7758-01-2	231-829-8
462	Carbon monoxide	630-08-0	211-128-3
463	Buta-1,3-diene, see also entries 464-611	106-99-0	203-450-8
464	Isobutane, if it contains $\geq 0,1\%$ w/w Butadiene	75-28-5	200-857-2
465	Butane, if it contains $\geq 0,1\%$ w/w Butadiene	106-97-8	203-448-7
466	Gases (petroleum), C <sub>3-4</sub> , if they contain $> 0,1\%$ w/w Butadiene	68131-75-9	268-629-5
467	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber, if it contains $> 0,1\%$ w/w Butadiene	68307-98-2	269-617-2
468	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabiliser, if it contains $> 0,1\%$ w/w Butadiene	68307-99-3	269-618-8
469	Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, hydrogen sulfide-free, if it contains $> 0,1\%$ w/w Butadiene	68308-00-9	269-619-3
470	Tail gas (petroleum), cracked distillate hydrotreater stripper, if it contains $> 0,1\%$ w/w Butadiene	68308-01-0	269-620-9
471	Tail gas (petroleum), gas oil catalytic cracking absorber, if it contains $> 0,1\%$ w/w Butadiene	68308-03-2	269-623-5
472	Tail gas (petroleum), gas recovery plant, if it contains $> 0,1\%$ w/w Butadiene	68308-04-3	269-624-0
473	Tail gas (petroleum), gas recovery plant deethaniser, if it contains $> 0,1\%$ w/w Butadiene	68308-05-4	269-625-6

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
474	Tail gas (petroleum), hydrodesulfurised distillate and hydrodesulfurised naphtha fractionator, acid-free, if it contains > 0,1 % w/w Butadiene	68308-06-5	269-626-1
475	Tail gas (petroleum), hydrodesulfurised vacuum gas oil stripper, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-07-6	269-627-7
476	Tail gas (petroleum), isomerised naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene	68308-08-7	269-628-2
477	Tail gas (petroleum), light straight-run naphtha stabiliser, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-09-8	269-629-8
478	Tail gas (petroleum), straight-run distillate hydrodesulfurised, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-10-1	269-630-3
479	Tail gas (petroleum), propane-propylene alkylation feed prep deethaniser, if it contains > 0,1 % w/w Butadiene	68308-11-2	269-631-9
480	Tail gas (petroleum), vacuum gas oil hydrodesulfurised, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene	68308-12-3	269-632-4
481	Gases (petroleum), catalytic cracked overheads, if they contain > 0,1 % w/w Butadiene	68409-99-4	270-071-2
482	Alkanes, C <sub>1-2</sub> , if they contain > 0,1 % w/w Butadiene	68475-57-0	270-651-5
483	Alkanes, C <sub>2-3</sub> , if they contain > 0,1 % w/w Butadiene	68475-58-1	270-652-0
484	Alkanes, C <sub>3-4</sub> , if they contain > 0,1 % w/w Butadiene	68475-59-2	270-653-6
485	Alkanes, C <sub>4-5</sub> , if they contain > 0,1 % w/w Butadiene	68475-60-5	270-654-1
486	Fuel-gases, if they contain > 0,1 % w/w Butadiene	68476-26-6	270-667-2
487	Fuel gases, crude oil distillates, if they contain > 0,1 % w/w Butadiene	68476-29-9	270-670-9
488	Hydrocarbons, C <sub>3-4</sub> , if they contain > 0,1 % w/w Butadiene	68476-40-4	270-681-9
489	Hydrocarbons, C <sub>4-5</sub> , if they contain > 0,1 % w/w Butadiene	68476-42-6	270-682-4

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
490	Hydrocarbons, C <sub>2-4</sub> , C <sub>3</sub> -rich, if they contain > 0,1 % w/w Butadiene	68476-49-3	270-689-2
491	Petroleum gases, liquefied, if they contain > 0,1 % w/w Butadiene	68476-85-7	270-704-2
492	Petroleum gases, liquefied, sweetened, if they contain > 0,1 % w/w Butadiene	68476-86-8	270-705-8
493	Gases (petroleum), C <sub>3-4</sub> , isobutane-rich if they contain > 0,1 % w/w Butadiene	68477-33-8	270-724-1
494	Distillates (petroleum), C <sub>3-6</sub> , piperylene-rich, if they contain > 0,1 % w/w Butadiene	68477-35-0	270-726-2
495	Gases (petroleum), amine system feed, if they contain > 0,1 % w/w Butadiene	68477-65-6	270-746-1
496	Gases (petroleum), benzene unit hydrodesulphurised off, if they contain > 0,1 % w/w Butadiene	68477-66-7	270-747-7
497	Gases (petroleum), benzene unit recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-67-8	270-748-2
498	Gases (petroleum), blend oil, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-68-9	270-749-8
499	Gases (petroleum), butane splitter overheads, if they contain > 0,1 % w/w Butadiene	68477-69-0	270-750-3
500	Gases (petroleum), C <sub>2-3</sub> , if they contain > 0,1 % w/w Butadiene	68477-70-3	270-751-9
501	Gases (petroleum), catalytic-cracked gas oil depropeniser bottoms, C <sub>4</sub> -rich acid-free, if they contain > 0,1 % w/w Butadiene	68477-71-4	270-752-4
502	Gases (petroleum), catalytic-cracked naphtha debutaniser bottoms, C <sub>3-5</sub> -rich, if they contain > 0,1 % w/w Butadiene	68477-72-5	270-754-5
503	Gases (petroleum), catalytic cracked naphtha depropeniser overhead, C <sub>3</sub> -rich acid-free, if they contain > 0,1 % w/w Butadiene	68477-73-6	270-755-0
504	Gases (petroleum), catalytic cracker, if they contain > 0,1 % w/w Butadiene	68477-74-7	270-756-6
505	Gases (petroleum), catalytic cracker, C <sub>1-5</sub> -rich, if they contain > 0,1 % w/w Butadiene	68477-75-8	270-757-1

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
506	Gases (petroleum), catalytic polymd. naphtha stabiliser overhead, C <sub>2-4</sub> -rich, if they contain > 0,1 % w/w Butadiene	68477-76-9	270-758-7
507	Gases (petroleum), catalytic reformed naphtha stripper overheads, if they contain > 0,1 % w/w Butadiene	68477-77-0	270-759-2
508	Gases (petroleum), catalytic reformer, C <sub>1-4</sub> -rich, if they contain > 0,1 % w/w Butadiene	68477-79-2	270-760-8
509	Gases (petroleum), C <sub>6-8</sub> catalytic reformer recycle, if they contain > 0,1 % w/w Butadiene	68477-80-5	270-761-3
510	Gases (petroleum), C <sub>6-8</sub> catalytic reformer, if they contain > 0,1 % w/w Butadiene	68477-81-6	270-762-9
511	Gases (petroleum), C <sub>6-8</sub> catalytic reformer recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-82-7	270-763-4
512	Gases (petroleum), C <sub>3-5</sub> olefinic-paraffinic alkylation feed, if they contain > 0,1 % w/w Butadiene	68477-83-8	270-765-5
513	Gases (petroleum), C <sub>2</sub> -return stream, if they contain > 0,1 % w/w Butadiene	68477-84-9	270-766-0
514	Gases (petroleum), C <sub>4</sub> -rich, if they contain > 0,1 % w/w Butadiene	68477-85-0	270-767-6
515	Gases (petroleum), deethaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-86-1	270-768-1
516	Gases (petroleum), deisobutaniser tower overheads, if they contain > 0,1 % w/w Butadiene	68477-87-2	270-769-7
517	Gases (petroleum), depropaniser dry, propene-rich, if they contain > 0,1 % w/w Butadiene	68477-90-7	270-772-3
518	Gases (petroleum), depropaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-91-8	270-773-9
519	Gases (petroleum), dry sour, gas-concn. -unit-off, if they contain > 0,1 % w/w Butadiene	68477-92-9	270-774-4
520	Gases (petroleum), gas concn. reabsorber distn., if they contain > 0,1 % w/w Butadiene	68477-93-0	270-776-5
521	Gases (petroleum), gas recovery plant depropaniser overheads, if they contain > 0,1 % w/w Butadiene	68477-94-1	270-777-0

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
522	Gases (petroleum), Girbatol unit feed, if they contain > 0,1 % w/w Butadiene	68477-95-2	270-778-6
523	Gases (petroleum), hydrogen absorber off, if they contain > 0,1 % w/w Butadiene	68477-96-3	270-779-1
524	Gases (petroleum), hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-97-4	270-780-7
525	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene	68477-98-5	270-781-2
526	Gases (petroleum), isomerised naphtha fractionator, C <sub>4</sub> -rich, hydrogen sulfide-free, if they contain > 0,1 % w/w Butadiene	68477-99-6	270-782-8
527	Gases (petroleum), recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-00-2	270-783-3
528	Gases (petroleum), reformer make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-01-3	270-784-9
529	Gases (petroleum), reforming hydrotreater, if they contain > 0,1 % w/w Butadiene	68478-02-4	270-785-4
530	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich, if they contain > 0,1 % w/w Butadiene	68478-03-5	270-787-5
531	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene	68478-04-6	270-788-0
532	Gases (petroleum), thermal cracking distn., if they contain > 0,1 % w/w Butadiene	68478-05-7	270-789-6
533	Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum, if it contains > 0,1 % w/w Butadiene	68478-21-7	270-802-5
534	Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber, if it contains > 0,1 % w/w Butadiene	68478-22-8	270-803-0
535	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurised combined fractionator, if it contains > 0,1 % w/w Butadiene	68478-24-0	270-804-6
536	Tail gas (petroleum), catalytic cracker refluxation absorber, if it contains > 0,1 % w/w Butadiene	68478-25-1	270-805-1
537	Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene	68478-26-2	270-806-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
538	Tail gas (petroleum), catalytic reformed naphtha separator, if it contains > 0,1 % w/w Butadiene	68478-27-3	270-807-2
539	Tail gas (petroleum), catalytic reformed naphtha stabiliser, if it contains > 0,1 % w/w Butadiene	68478-28-4	270-808-8
540	Tail gas (petroleum), cracked distillate hydrotreater separator, if it contains > 0,1 % w/w Butadiene	68478-29-5	270-809-3
541	Tail gas (petroleum), hydrodesulfurised straight-run naphtha separator, if it contains > 0,1 % w/w Butadiene	68478-30-8	270-810-9
542	Tail gas (petroleum), saturate gas plant mixed stream, C <sub>4</sub> -rich, if it contains > 0,1 % w/w Butadiene	68478-32-0	270-813-5
543	Tail gas (petroleum), saturate gas recovery plant, C <sub>1-2</sub> -rich, if it contains > 0,1 % w/w Butadiene	68478-33-1	270-814-0
544	Tail gas (petroleum), vacuum residues thermal cracker, if it contains > 0,1 % w/w Butadiene	68478-34-2	270-815-6
545	Hydrocarbons, C <sub>3,4</sub> -rich, petroleum distillate, if they contain > 0,1 % w/w Butadiene	68512-91-4	270-990-9
546	Gases (petroleum), catalytic reformed straight-run naphtha stabiliser overheads, if they contain > 0,1 % w/w Butadiene	68513-14-4	270-999-8
547	Gases (petroleum), full-range straight-run naphtha dehexaniser off, if they contain > 0,1 % w/w Butadiene	68513-15-5	271-000-8
548	Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich, if they contain > 0,1 % w/w Butadiene	68513-16-6	271-001-3
549	Gases (petroleum), light straight-run naphtha stabiliser off, if they contain > 0,1 % w/w Butadiene	68513-17-7	271-002-9
550	Gases (petroleum), reformer effluent high-pressure flash drum off, if they contain > 0,1 % w/w Butadiene	68513-18-8	271-003-4
551	Gases (petroleum), reformer effluent low-pressure flash drum off, if they contain > 0,1 % w/w Butadiene	68513-19-9	271-005-5

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
552	Residues (petroleum), alkylation splitter, C <sub>4</sub> -rich, if they contain > 0,1 % w/w Butadiene	68513-66-6	271-010-2
553	Hydrocarbons, C <sub>1-4</sub> , if they contain > 0,1 % w/w Butadiene	68514-31-8	271-032-2
554	Hydrocarbons, C <sub>1-4</sub> , sweetened, if they contain > 0,1 % w/w Butadiene	68514-36-3	271-038-5
555	Gases (petroleum), oil refinery gas distn. off, if they contain > 0,1 % w/w Butadiene	68527-15-1	271-258-1
556	Hydrocarbons, C <sub>1-3</sub> , if they contain > 0,1 % w/w Butadiene	68527-16-2	271-259-7
557	Hydrocarbons, C <sub>1-4</sub> , debutaniser fraction, if they contain > 0,1 % w/w Butadiene	68527-19-5	271-261-8
558	Gases (petroleum), benzene unit hydrotreater dependent aniser overheads, if they contain > 0,1 % w/w Butadiene	68602-82-4	271-623-5
559	Gases (petroleum), C <sub>1-5</sub> , wet, if they contain > 0,1 % w/w Butadiene	68602-83-5	271-624-0
560	Gases (petroleum), secondary absorber off, fluidised catalytic cracker overheads fractionator, if they contain > 0,1 % w/w Butadiene	68602-84-6	271-625-6
561	Hydrocarbons, C <sub>2-4</sub> , if they contain > 0,1 % w/w Butadiene	68606-25-7	271-734-9
562	Hydrocarbons, C <sub>3</sub> , if they contain > 0,1 % w/w Butadiene	68606-26-8	271-735-4
563	Gases (petroleum), alkylation feed, if they contain > 0,1 % w/w Butadiene	68606-27-9	271-737-5
564	Gases (petroleum), depropaniser bottoms fractionation off, if they contain > 0,1 % w/w Butadiene	68606-34-8	271-742-2
565	Petroleum products, refinery gases, if they contain > 0,1 % w/w Butadiene	68607-11-4	271-750-6
566	Gases (petroleum), hydrocracking low-pressure separator, if they contain > 0,1 % w/w Butadiene	68783-06-2	272-182-1
567	Gases (petroleum), refinery blend, if they contain > 0,1 % w/w Butadiene	68783-07-3	272-183-7
568	Gases (petroleum), catalytic cracking, if they contain > 0,1 % w/w Butadiene	68783-64-2	272-203-4

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
569	Gases (petroleum), C <sub>2-4</sub> , sweetened, if they contain > 0,1 % w/w Butadiene	68783-65-3	272-205-5
570	Gases (petroleum), refinery, if they contain > 0,1 % w/w Butadiene	68814-67-5	272-338-9
571	Gases (petroleum), platformer products separator off, if they contain > 0,1 % w/w Butadiene	68814-90-4	272-343-6
572	Gases (petroleum), hydrotreated sour kerosine depent-aniser stabiliser off, if they contain > 0,1 % w/w Butadiene	68911-58-0	272-775-5
573	Gases (petroleum), hydrotreated sour kerosine flash drum, if they contain > 0,1 % w/w Butadiene	68911-59-1	272-776-0
574	Gases (petroleum), crude oil fractionation off, if they contain > 0,1 % w/w Butadiene	68918-99-0	272-871-7
575	Gases (petroleum), dehexaniser off, if they contain > 0,1 % w/w Butadiene	68919-00-6	272-872-2
576	Gases (petroleum), distillate unifiner desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-01-7	272-873-8
577	Gases (petroleum), fluidised catalytic cracker fractionation off if they contain > 0,1 % w/w Butadiene	68919-02-8	272-874-3
578	Gases (petroleum), fluidised catalytic cracker scrubbing secondary absorber off, if they contain > 0,1 % w/w Butadiene	68919-03-9	272-875-9
579	Gases (petroleum), heavy distillate hydrotreater desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-04-0	272-876-4
580	Gases (petroleum), light straight run gasoline fractionation stabiliser off, if they contain > 0,1 % w/w Butadiene	68919-05-1	272-878-5
581	Gases (petroleum), naphtha unifiner desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene	68919-06-2	272-879-0
582	Gases (petroleum), platformer stabiliser off, light ends fractionation, if they contain > 0,1 % w/w Butadiene	68919-07-3	272-880-6

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
583	Gases (petroleum), preflash tower off, crude distn., if they contain > 0,1 % w/w Butadiene	68919-08-4	272-881-1
584	Gases (petroleum), straight-run naphtha catalytic reforming off, if they contain > 0,1 % w/w Butadiene	68919-09-5	272-882-7
585	Gases (petroleum), straight-run stabiliser off, if they contain > 0,1 % w/w Butadiene	68919-10-8	272-883-2
586	Gases (petroleum), tar stripper off, if they contain > 0,1 % w/w Butadiene	68919-11-9	272-884-8
587	Gases (petroleum), unifiner stripper off, if they contain > 0,1 % w/w Butadiene	68919-12-0	272-885-3
588	Gases (petroleum), fluidised catalytic cracker splitter overheads, if they contain > 0,1 % w/w Butadiene	68919-20-0	272-893-7
589	Gases (petroleum), catalytic cracked naphtha debutaniser, if they contain > 0,1 % w/w Butadiene	68952-76-1	273-169-3
590	Tail gas (petroleum), catalytic cracked distillate and naphtha stabiliser, if it contains > 0,1 % w/w Butadiene	68952-77-2	273-170-9
591	Tail gas (petroleum), catalytic hydrodesulphurised naphtha separator, if it contains > 0,1 % w/w Butadiene	68952-79-4	273-173-5
592	Tail gas (petroleum), straight-run naphtha hydrodesulphurised, if it contains > 0,1 % w/w Butadiene	68952-80-7	273-174-0
593	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber, if it contains > 0,1 % w/w Butadiene	68952-81-8	273-175-6
594	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabiliser, petroleum coking, if it contains > 0,1 % w/w Butadiene	68952-82-9	273-176-1
595	Gases (petroleum), light steam-cracked, butadiene conc., if they contain > 0,1 % w/w Butadiene	68955-28-2	273-265-5
596	Gases (petroleum), sponge absorber off, fluidised catalytic cracker and gas oil desulphuriser overhead fractionation, if they contain > 0,1 % w/w Butadiene	68955-33-9	273-269-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
597	Gases (petroleum), straight-run naphtha catalytic reformer stabiliser overhead, if they contain > 0,1 % w/w Butadiene	68955-34-0	273-270-2
598	Gases (petroleum), crude distn. and catalytic cracking, if they contain > 0,1 % w/w Butadiene	68989-88-8	273-563-5
599	Hydrocarbons, C <sub>4</sub> , if they contain > 0,1 % w/w Butadiene	87741-01-3	289-339-5
600	Alkanes, C <sub>1-4</sub> , C <sub>3</sub> -rich, if they contain > 0,1 % w/w Butadiene	90622-55-2	292-456-4
601	Gases (petroleum), gas oil diethanolamine scrubber off, if they contain > 0,1 % w/w Butadiene	92045-15-3	295-397-2
602	Gases (petroleum), gas oil hydrodesulfurisation effluent, if they contain > 0,1 % w/w Butadiene	92045-16-4	295-398-8
603	Gases (petroleum), gas oil hydrodesulfurisation purge, if they contain > 0,1 % w/w Butadiene	92045-17-5	295-399-3
604	Gases (petroleum), hydrogenator effluent flash drum off, if they contain > 0,1 % w/w Butadiene	92045-18-6	295-400-7
605	Gases (petroleum), naphtha steam cracking high-pressure residual, if they contain > 0,1 % w/w Butadiene	92045-19-7	295-401-2
606	Gases (petroleum), residue visbreaking off, if they contain > 0,1 % w/w Butadiene	92045-20-0	295-402-8
607	Gases (petroleum), steam-cracker C <sub>3</sub> -rich, if they contain > 0,1 % w/w Butadiene	92045-22-2	295-404-9
608	Hydrocarbons, C <sub>4</sub> , steam-cracker distillate, if they contain > 0,1 % w/w Butadiene	92045-23-3	295-405-4
609	Petroleum gases, liquefied, sweetened, C <sub>4</sub> fraction, if they contain > 0,1 % w/w Butadiene	92045-80-2	295-463-0
610	Hydrocarbons, C <sub>4</sub> , 1,3-butadiene- and isobutene-free, if they contain > 0,1 % w/w Butadiene	95465-89-7	306-004-1

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
611	Raffinates (petroleum), steam-cracked C <sub>4</sub> fraction cuprous ammonium acetate extrn., C <sub>3-5</sub> and C <sub>3-5</sub> unsatd., butadiene-free, if they contain > 0,1 % w/w Butadiene	97722-19-5	307-769-4
612	Benzo[def]chrysene (benzo[a]pyrene)	50-32-8	200-028-5
613	Pitch, coal tar-petroleum, if it contains > 0,005 % w/w benzo[a]pyrene	68187-57-5	269-109-0
614	Distillates (coal-petroleum), condensed-ring arom., if they contain > 0,005 % w/w benzo[a]pyrene	68188-48-7	269-159-3
615	Moved or deleted		
616	Moved or deleted		
617	Creosote oil, acenaphthene fraction, acenaphthene-free, if it contains > 0,005 % w/w benzo[a]pyrene	90640-85-0	292-606-9
618	Pitch, coal tar, low-temp., if it contains > 0,005 % w/w benzo[a]pyrene	90669-57-1	292-651-4
619	Pitch, coal tar, low-temp., heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene	90669-58-2	292-653-5
620	Pitch, coal tar, low-temp., oxidised, if it contains > 0,005 % w/w benzo[a]pyrene	90669-59-3	292-654-0
621	Extract residues (coal), brown, if they contain > 0,005 % w/w benzo[a]pyrene	91697-23-3	294-285-0
622	Paraffin waxes (coal), brown-coal high-temp. tar, if they contain > 0,005 % w/w benzo[a]pyrene	92045-71-1	295-454-1
623	Paraffin waxes (coal), brown-coal high-temp. tar, hydrotreated, if they contain > 0,005 % w/w benzo[a]pyrene	92045-72-2	295-455-7
624	Waste solids, coal-tar pitch coking, if they contain > 0,005 % w/w benzo[a]pyrene	92062-34-5	295-549-8
625	Pitch, coal tar, high-temp., secondary, if it contains > 0,005 % w/w benzo[a]pyrene	94114-13-3	302-650-3
626	Residues (coal), liq. solvent extrn., if they contain > 0,005 % w/w benzo[a]pyrene	94114-46-2	302-681-2

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
627	Coal liquids, liq. solvent extn. soln., if they contain > 0,005 % w/w benzo[a]pyrene	94114-47-3	302-682-8
628	Coal liquids, liq. solvent extn., if they contain > 0,005 % w/w benzo[a]pyrene	94114-48-4	302-683-3
629	Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-76-6	308-296-6
630	Paraffin waxes (coal), brown-coal high-temp tar, clay-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-77-7	308-297-1
631	Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated, if they contain > 0,005 % w/w benzo[a]pyrene	97926-78-8	308-298-7
632	Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction, if they contain > 0,005 % w/w benzo[a]pyrene	101316-45-4	309-851-5
633	Aromatic hydrocarbons, C <sub>20-28</sub> , polycyclic, mixed coal-tar pitch-polyethylene polypropylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-74-5	309-956-6
634	Aromatic hydrocarbons, C <sub>20-28</sub> , polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-75-6	309-957-1
635	Aromatic hydrocarbons, C <sub>20-28</sub> , polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene	101794-76-7	309-958-7
636	Pitch, coal tar, high-temp., heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene	121575-60-8	310-162-7
637	Dibenz[ <i>a,h</i> ]anthracene	53-70-3	200-181-8
638	Benz[ <i>a</i> ]anthracene	56-55-3	200-280-6
639	Benzo[ <i>e</i> ]pyrene	192-97-2	205-892-7
640	Benzo[ <i>j</i> ]fluoranthene	205-82-3	205-910-3
641	Benz( <i>e</i> )acephenanthrylene	205-99-2	205-911-9
642	Benzo( <i>k</i> )fluoranthene	207-08-9	205-916-6

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
643	Chrysene	218-01-9	205-923-4
644	2-Bromopropane	75-26-3	200-855-1
645	Trichloroethylene	79-01-6	201-167-4
646	1,2-Dibromo-3-chloropropane	96-12-8	202-479-3
647	2,3-Dibromopropan-1-ol	96-13-9	202-480-9
648	1,3-Dichloropropan-2-ol	96-23-1	202-491-9
649	<i>α,α,α</i> -Trichlorotoluene	98-07-7	202-634-5
650	<i>α</i> -Chlorotoluene (Benzyl chloride)	100-44-7	202-853-6
651	1,2-Dibromoethane	106-93-4	203-444-5
652	Hexachlorobenzene	118-74-1	204-273-9
653	Bromoethylene (Vinyl bromide)	593-60-2	209-800-6
654	1,4-Dichlorobut-2-ene	764-41-0	212-121-8
655	Methyloxirane (Propylene oxide)	75-56-9	200-879-2
656	(Epoxyethyl)benzene (Styrene oxide)	96-09-3	202-476-7
657	1-Chloro-2,3-epoxypropane (Epichlorohydrin)	106-89-8	203-439-8
658	<i>R</i> -1-Chloro-2,3-epoxypropane	51594-55-9	424-280-2
659	1,2-Epoxy-3-phenoxypropane (Phenylglycidyl ether)	122-60-1	204-557-2
660	2,3-Epoxypropan-1-ol (Glycidol)	556-52-5	209-128-3
661	<i>R</i> -2,3-Epoxy-1-propanol	57044-25-4	404-660-4
662	2,2'-Bioxirane (1,2:3,4-Diepoxybutane)	1464-53-5	215-979-1
663	(2RS,3RS)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1 <i>H</i> -1,2,4-triazol-1-yl)methyl]oxirane; Epoxiconazole	133855-98-8	406-850-2
664	Chloromethyl methyl ether	107-30-2	203-480-1
665	2-Methoxyethanol and its acetate (2-Methoxyethyl acetate)	109-86-4/ 110-49-6	203-713-7/ 203-772-9
666	2-Ethoxyethanol and its acetate (2-Ethoxyethyl acetate)	110-80-5/ 111-15-9	203-804-1/ 203-839-2
667	Oxybis[chloromethane], bis (Chloromethyl) ether	542-88-1	208-832-8

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
668	2-Methoxypropanol	1589-47-5	216-455-5
669	Propiolactone	57-57-8	200-340-1
670	Dimethylcarbamoyl chloride	79-44-7	201-208-6
671	Urethane (Ethyl carbamate)	51-79-6	200-123-1
672	Moved or deleted		
673	Moved or deleted		
674	Methoxyacetic acid	625-45-6	210-894-6
675	Dibutyl phthalate	84-74-2	201-557-4
676	bis(2-Methoxyethyl) ether (Dimethoxydiglycol)	111-96-6	203-924-4
677	bis(2-Ethylhexyl) phthalate (Diethylhexyl phthalate)	117-81-7	204-211-0
678	bis(2-Methoxyethyl) phthalate	117-82-8	204-212-6
679	2-Methoxypropyl acetate	70657-70-4	274-724-2
680	2-Ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-methyl]thio]acetate	80387-97-9	279-452-8
681	Acrylamide, unless regulated elsewhere in this Regulation	79-06-1	201-173-7
682	Acrylonitrile	107-13-1	203-466-5
683	2-Nitropropane	79-46-9	201-209-1
684	Dinoseb, its salts and esters with the exception of those specified elsewhere in this list	88-85-7	201-861-7
685	2-Nitroanisole	91-23-6	202-052-1
686	4-Nitrobiphenyl	92-93-3	202-204-7
687	2,4-Dinitrotoluene; Dinitrotoluene, technical grade	121-14-2/ 25321-14-6	204-450-0/ 246-836-1
688	Binapacryl	485-31-4	207-612-9
689	2-Nitronaphthalene	581-89-5	209-474-5
690	2,3-Dinitrotoluene	602-01-7	210-013-5
691	5-Nitroacenaphthene	602-87-9	210-025-0
692	2,6-Dinitrotoluene	606-20-2	210-106-0
693	3,4-Dinitrotoluene	610-39-9	210-222-1

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
694	3,5-Dinitrotoluene	618-85-9	210-566-2
695	2,5-Dinitrotoluene	619-15-8	210-581-4
696	Dinoterb, its salts and esters	1420-07-1	215-813-8
697	Nitrofen	1836-75-5	217-406-0
698	Moved or deleted		
699	Diazomethane	334-88-3	206-382-7
700	1,4,5,8-Tetraaminoanthraquinone (Disperse Blue 1)	2475-45-8	219-603-7
701	Moved or deleted		
702	1-Methyl-3-nitro-1-nitrosoguanidine	70-25-7	200-730-1
703	Moved or deleted		
704	Moved or deleted		
705	4,4'-Methylenedianiline	101-77-9	202-974-4
706	4,4'-(4-Iminocyclohexa-2,5-dienylidenemethylene)dianiline hydrochloride	569-61-9	209-321-2
707	4,4'-Methylenedi-o-toluidine	838-88-0	212-658-8
708	o-Anisidine	90-04-0	201-963-1
709	3,3'-Dimethoxybenzidine (ortho-Dianisidine) and its salts	119-90-4	204-355-4
710	Moved or deleted		
711	o-Dianisidine based azo dyes		
712	3,3'-Dichlorobenzidine	91-94-1	202-109-0
713	Benzidine dihydrochloride	531-85-1	208-519-6
714	[[1,1'-Biphenyl]-4,4'-diyl]diammonium sulphate	531-86-2	208-520-1
715	3,3'-Dichlorobenzidine dihydrochloride	612-83-9	210-323-0
716	Benzidine sulphate	21136-70-9	244-236-4
717	Benzidine acetate	36341-27-2	252-984-8
718	3,3'-Dichlorobenzidine dihydrogen bis(sulphate)	64969-34-2	265-293-1
719	3,3'-Dichlorobenzidine sulphate	74332-73-3	277-822-3
720	Benzidine based azo dyes		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
721	4,4'-Bi-o-toluidine (ortho-Tolidine)	119-93-7	204-358-0
722	4,4'-Bi-o-toluidine dihydrochloride	612-82-8	210-322-5
723	[3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl]diammonium bis(hydrogen sulphate)	64969-36-4	265-294-7
724	4,4'-Bi-o-toluidine sulphate	74753-18-7	277-985-0
725	o-Tolidine based dyes		611-030-00-4
726	Biphenyl-4-ylamine (4-Aminobiphenyl) and its salts	92-67-1	202-177-1
727	Azobenzene	103-33-3	203-102-5
728	(Methyl-ONN-azoxy)methyl acetate	592-62-1	209-765-7
729	Cycloheximide	66-81-9	200-636-0
730	2-Methylaziridine	75-55-8	200-878-7
731	Imidazolidine-2-thione (Ethylene thiourea)	96-45-7	202-506-9
732	Furan	110-00-9	203-727-3
733	Aziridine	151-56-4	205-793-9
734	Captafol	2425-06-1	219-363-3
735	Carbadox	6804-07-5	229-879-0
736	Flumioxazin	103361-09-7	613-166-00-X
737	Tridemorph	24602-86-6	246-347-3
738	Vinclozolin	50471-44-8	256-599-6
739	Fluazifop-butyl	69806-50-4	274-125-6
740	Flusilazole	85509-19-9	014-017-00-6
741	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC)	2451-62-9	219-514-3
742	Thioacetamide	62-55-5	200-541-4
743	Moved or deleted		
744	Formamide	75-12-7	200-842-0
745	N-Methylacetamide	79-16-3	201-182-6
746	N-Methylformamide	123-39-7	204-624-6

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
747	N,N-Dimethylacetamide	127-19-5	204-826-4
748	Hexamethylphosphoric-triamide	680-31-9	211-653-8
749	Diethyl sulphate	64-67-5	200-589-6
750	Dimethyl sulphate	77-78-1	201-058-1
751	1,3-Propanesultone	1120-71-4	214-317-9
752	Dimethylsulphamoyl-chloride	13360-57-1	236-412-4
753	Sulfallate	95-06-7	202-388-9
754	A mixture of: 4-[[[bis-(4-Fluorophenyl)methyl-silyl]methyl]-4H-1,2,4-triazole and 1-[[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole		403-250-2
755	(+/-)-Tetrahydrofurfuryl -(R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate	119738-06-6	607-373-00-4
756	6-Hydroxy-1-(3-Isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	85136-74-9	-400-340-3
757	(6-(4-Hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazine-2,4-diy)bis[(amino-1-methylethyl)ammonium] formate	108225-03-2	402-060-7
758	Trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4"--(6-benzoylamino-3-Sulfonato-2-naphthylazo)-biphenyl-1,3',3",1'"-tetraolato-O,O',O",O'"]copper(II)		413-590-3
759	A mixture of: <i>N</i> -[3-Hydroxy-2-(2-methylacryloylamino)methoxy]propoxymethyl]-2-methylacrylamide and <i>N</i> -[2,3-bis-(2-Methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide and methacrylamide and 2-methyl- <i>N</i> -(2-methylacryloylaminomethoxymethyl)-acrylamide and <i>N</i> -(2,3-dihydroxypropoxymethyl)-2-methylacrylamide		412-790-8
760	1,3,5-tris-[(2 <i>S</i> and 2 <i>R</i> )-2,3-Epoxypropyl]-1,3,5-triazine-2,4,6-(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i> )-trione (Teroxirone)	59653-74-6	616-091-00-0
761	Erionite	12510-42-8	650-012-00-0
762	Asbestos	12001-28-4	650-013-00-6
763	Petroleum	8002-05-9	232-298-5
764	Distillates (petroleum), heavy hydrocracked, if they contain > 3 % w/w DMSO extract	64741-76-0	265-077-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
765	Distillates (petroleum), solvent-refined heavy paraffinic, if they contain > 3 % w/w DMSO extract	64741-88-4	265-090-8
766	Distillates (petroleum), solvent-refined light paraffinic, if they contain > 3 % w/w DMSO extract	64741-89-5	265-091-3
767	Residual oils (petroleum), solvent deasphalted, if they contain > 3 % w/w DMSO extract	64741-95-3	265-096-0
768	Distillates (petroleum), solvent-refined heavy naphthenic, if they contain > 3 % w/w DMSO extract	64741-96-4	265-097-6
769	Distillates (petroleum), solvent-refined light naphthenic, if they contain > 3 % w/w DMSO extract	64741-97-5	265-098-1
770	Residual oils (petroleum), solvent-refined, if they contain > 3 % w/w DMSO extract	64742-01-4	265-101-6
771	Distillates (petroleum), clay-treated heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-36-5	265-137-2
772	Distillates (petroleum), clay-treated light paraffinic, if they contain > 3 % w/w DMSO extract	64742-37-6	265-138-8
773	Residual oils (petroleum), clay-treated, if they contain > 3 % w/w DMSO extract	64742-41-2	265-143-5
774	Distillates (petroleum), clay-treated heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-44-5	265-146-1
775	Distillates (petroleum), clay-treated light naphthenic, if they contain > 3 % w/w DMSO extract	64742-45-6	265-147-7
776	Distillates (petroleum), hydrotreated heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-52-5	265-155-0
777	Distillates (petroleum), hydrotreated light naphthenic, if they contain > 3 % w/w DMSO extract	64742-53-6	265-156-6
778	Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-54-7	265-157-1
779	Distillates (petroleum), hydrotreated light paraffinic, if they contain > 3 % w/w DMSO extract	64742-55-8	265-158-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
780	Distillates (petroleum), solvent-dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract	64742-56-9	265-159-2
781	Residual oils (petroleum), hydrotreated, if they contain > 3 % w/w DMSO extract	64742-57-0	265-160-8
782	Residual oils (petroleum), solvent-dewaxed, if they contain > 3 % w/w DMSO extract	64742-62-7	265-166-0
783	Distillates (petroleum), solvent-dewaxed heavy naphthenic, if they contain > 3 % w/w DMSO extract	64742-63-8	265-167-6
784	Distillates (petroleum), solvent-dewaxed light naphthenic, if they contain > 3 % w/w DMSO extract	64742-64-9	265-168-1
785	Distillates (petroleum), solvent-dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-65-0	265-169-7
786	Foots oil (petroleum), if it contains > 3 % w/w DMSO extract	64742-67-2	265-171-8
787	Naphthenic oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-68-3	265-172-3
788	Naphthenic oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-69-4	265-173-9
789	Paraffin oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-70-7	265-174-4
790	Paraffin oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract	64742-71-8	265-176-5
791	Naphthenic oils (petroleum), complex dewaxed heavy, if they contain > 3 % w/w DMSO extract	64742-75-2	265-179-1
792	Naphthenic oils (petroleum), complex dewaxed light, if they contain > 3 % w/w DMSO extract	64742-76-3	265-180-7
793	Extracts (petroleum), heavy naphthenic distillate solvent, arom. Conc., if they contain > 3 % w/w DMSO extract	68783-00-6	272-175-3

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
794	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract	68783-04-0	272-180-0
795	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted, if they contain > 3 % w/w DMSO extract	68814-89-1	272-342-0
796	Lubricating oils (petroleum), C <sub>20-50</sub> , hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract	72623-85-9	276-736-3
797	Lubricating oils (petroleum), C <sub>15-30</sub> , hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 86-0	276-737-9
798	Lubricating oils (petroleum), C <sub>20-50</sub> , hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623- 87-1	276-738-4
799	Lubricating oils, if they contain > 3 % w/w DMSO extract	74869-22-0	278-012-2
800	Distillates (petroleum), complex dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract	90640-91-8	292-613-7
801	Distillates (petroleum), complex dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract	90640-92-9	292-614-2
802	Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-94-1	292-616-3
803	Hydrocarbons, C <sub>20-50</sub> , solvent dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-95-2	292-617-9
804	Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract	90640-96-3	292-618-4
805	Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	90640-97-4	292-620-5
806	Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	90641-07-9	292-631-5
807	Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	90641-08-0	292-632-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
808	Extracts (petroleum), light paraffinic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	90641-09-1	292-633-6
809	Residual oils (petroleum), hydrotreated solvent dewaxed, if they contain > 3 % w/w DMSO extract	90669-74-2	292-656-1
810	Residual oils (petroleum), catalytic dewaxed, if they contain > 3 % w/w DMSO extract	91770-57-9	294-843-3
811	Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	91995-39-0	295-300-3
812	Distillates (petroleum), dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract	91995-40-3	295-301-9
813	Distillates (petroleum), hydrocracked solvent-refined, dewaxed, if they contain > 3 % w/w DMSO extract	91995-45-8	295-306-6
814	Distillates (petroleum), solvent-refined light naphthenic, hydrotreated, if they contain > 3 % w/w DMSO extract	91995-54-9	295-316-0
815	Extracts (petroleum), hydrotreated light paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract	91995- 73-2	295-335-4
816	Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurised, if they contain > 3 % w/w DMSO extract	91995-75-4	295-338-0
817	Extracts (petroleum), light paraffinic distillate solvent, acid-treated, if they contain > 3 % w/w DMSO extract	91995-76-5	295-339-6
818	Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurised, if they contain > 3 % w/w DMSO extract	91995-77-6	295-340-1
819	Extracts (petroleum), light vacuum gas oil solvent, hydrotreated, if they contain > 3 % w/w DMSO extract	91995-79-8	295-342-2
820	Foots oil (petroleum), hydrotreated, if it contains > 3 % w/w DMSO extract	92045-12-0	295-394-6
821	Lubricating oils (petroleum), C <sub>17-35</sub> , solvent-extd., dewaxed, hydrotreated, if they contain > 3 % w/w DMSO extract	92045-42-6	295-423-2

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
822	Lubricating oils (petroleum), hydrocracked nonarom solvent-deparaffined, if they contain > 3 % w/w DMSO extract	92045-43-7	295-424-8
823	Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract	92061-86-4	295-499-7
824	Paraffin oils (petroleum), solvent-refined dewaxed heavy, if they contain > 3 % w/w DMSO extract	92129-09-4	295-810-6
825	Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated, if they contain > 3 % w/w DMSO extract	92704-08-0	296-437-1
826	Lubricating oils (petroleum), base oils, paraffinic, if they contain > 3 % w/w DMSO extract	93572-43-1	297-474-6
827	Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulphurised, if they contain > 3 % w/w DMSO extract	93763-10-1	297-827-4
828	Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulphurised, if they contain > 3 % w/w DMSO extract	93763-11-2	297-829-5
829	Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed, if they contain > 3 % w/w DMSO extract	93763-38-3	297-857-8
830	Foots oil (petroleum), acid-treated, if it contains > 3 % w/w DMSO extract	93924-31-3	300-225-7
831	Foots oil (petroleum), clay-treated, if it contains > 3 % w/w DMSO extract	93924-32-4	300-226-2
832	Hydrocarbons, C <sub>20-50</sub> , residual oil hydrogenation vacuum distillate, if they contain > 3 % w/w DMSO extract	93924-61-9	300-257-1
833	Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated, if they contain > 3 % w/w DMSO extract	94733-08-1	305-588-5
834	Distillates (petroleum), solvent-refined hydrocracked light, if they contain > 3 % w/w DMSO extract	94733-09-2	305-589-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
835	Lubricating oils (petroleum), C <sub>18-40</sub> , solvent-dewaxed hydrocracked distillate-based, if they contain > 3 % w/w DMSO extract	94733-15-0	305-594-8
836	Lubricating oils (petroleum), C <sub>18-40</sub> , solvent-dewaxed hydrogenated raffinate-based, if they contain > 3 % w/w DMSO extract	94733-16-1	305-595-3
837	Hydrocarbons, C <sub>13-30</sub> , arom. -rich, solvent-extd. naphthenic distillate, if they contain > 3 % w/w DMSO extract	95371-04-3	305-971-7
838	Hydrocarbons, C <sub>16-32</sub> , arom. rich, solvent-extd. naphthenic distillate, if they contain > 3 % w/w DMSO extract	95371-05-4	305-972-2
839	Hydrocarbons, C <sub>37-68</sub> , dewaxed deasphalting hydro-treated vacuum distn. Residues, if they contain > 3 % w/w DMSO extract	95371-07-6	305-974-3
840	Hydrocarbons, C <sub>37-65</sub> , hydrotreated deasphalting vacuum distn. Residues, if they contain > 3 % w/w DMSO extract	95371-08-7	305-975-9
841	Distillates (petroleum), hydrocracked solvent-refined light, if they contain > 3 % w/w DMSO extract	97488-73-8	307-010-7
842	Distillates (petroleum), solvent-refined hydrogenated heavy, if they contain > 3 % w/w DMSO extract	97488-74-9	307-011-2
843	Lubricating oils (petroleum), C <sub>18-27</sub> , hydrocracked solvent-dewaxed, if they contain > 3 % w/w DMSO extract	97488-95-4	307-034-8
844	Hydrocarbons, C <sub>17-30</sub> , hydrotreated solvent-deasphalting atm. distn. residue, distn. lights, if they contain > 3 % w/w DMSO extract	97675-87-1	307-661-7
845	Hydrocarbons, C <sub>17-40</sub> , hydrotreated solvent-deasphalting distn. residue, vacuum distn. lights, if they contain > 3 % w/w DMSO extract	97722-06-0	307-755-8
846	Hydrocarbons, C <sub>13-27</sub> , solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract	97722-09-3	307-758-4
847	Hydrocarbons, C <sub>14-29</sub> , solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract	97722-10-6	307-760-5

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
848	Foots oil (petroleum), carbon-treated, if it contains > 3 % w/w DMSO extract	97862-76-5	308-126-0
849	Foots oil (petroleum), silicic acid-treated, if it contains > 3 % w/w DMSO extract	97862-77-6	308-127-6
850	Hydrocarbons, C <sub>27-42</sub> , dearomatised, if they contain > 3 % w/w DMSO extract	97862-81-2	308-131-8
851	Hydrocarbons, C <sub>17-30</sub> , hydrotreated distillates, distn. Lights, if they contain > 3 % w/w DMSO extract	97862-82-3	308-132-3
852	Hydrocarbons, C <sub>27-45</sub> , naphthenic vacuum distn., if they contain > 3 % w/w DMSO extract	97862-83-4	308-133-9
853	Hydrocarbons, C <sub>27-45</sub> , dearomatised, if they contain > 3 % w/w DMSO extract	97926-68-6	308-287-7
854	Hydrocarbons, C <sub>20-58</sub> , hydrotreated, if they contain > 3 % w/w DMSO extract	97926-70-0	308-289-8
855	Hydrocarbons, C <sub>27-42</sub> , naphthenic, if they contain > 3 % w/w DMSO extract	97926-71-1	308-290-3
856	Extracts (petroleum), light paraffinic distillate solvent, carbon-treated, if they contain > 3 % w/w DMSO extract	100684-02-4	309-672-2
857	Extracts (petroleum), light paraffinic distillate solvent, clay-treated, if they contain > 3 % w/w DMSO extract	100684-03-5	309-673-8
858	Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated, if they contain > 3 % w/w DMSO extract	100684-04-6	309-674-3
859	Extracts (petroleum), light vacuum gas oil solvent, clay-treated, if they contain > 3 % w/w DMSO extract	100684-05-7	309-675-9
860	Residual oils (petroleum), carbon-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract	100684-37-5	309-710-8
861	Residual oils (petroleum), clay-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract	100684-38-6	309-711-3
862	Lubricating oils (petroleum), C <sub>&gt;25</sub> , solvent-extd., deasphalted, dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-69-2	309-874-0

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
863	Lubricating oils (petroleum), C <sub>17-32</sub> , solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-70-5	309-875-6
864	Lubricating oils (petroleum), C <sub>20-35</sub> , solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-71-6	309-876-1
865	Lubricating oils (petroleum), C <sub>24-50</sub> , solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract	101316-72-7	309-877-7
866	Distillates (petroleum), sweetened middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-86-2	265-088-7
867	Gas oils (petroleum), solvent-refined, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-90-8	265-092-9
868	Distillates (petroleum), solvent-refined middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64741-91-9	265-093-4
869	Gas oils (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-12-7	265-112-6
870	Distillates (petroleum), acid-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-13-8	265-113-1
871	Distillates (petroleum), acid-treated light, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-14-9	265-114-7
872	Gas oils (petroleum), chemically neutralised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-29-6	265-129-9
873	Distillates (petroleum), chemically neutralised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-30-9	265-130-4

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
874	Distillates (petroleum), clay-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-38-7	265-139-3
875	Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-46-7	265-148-2
876	Gas oils (petroleum), hydrodesulfurised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-79-6	265-182-8
877	Distillates (petroleum), hydrodesulfurised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-80-9	265-183-3
878	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-29-2	270-719-4
879	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-30-5	270-721-5
880	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68477-31-6	270-722-0
881	Alkanes, C <sub>12-26</sub> , branched and linear, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90622-53-0	292-454-3
882	Distillates (petroleum), highly refined middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90640-93-0	292-615-8
883	Distillates (petroleum), catalytic reformer, heavy arom. conc., except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	91995-34-5	295-294-2

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
884	Gas oils, paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	93924-33-5	300-227-8
885	Naphtha (petroleum), solvent-refined hydrodesulfurised heavy, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97488-96-5	307-035-3
886	Hydrocarbons, C <sub>16-20</sub> , hydrotreated middle distillate, distn. Lights, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97675- 85-9	307-659-6
887	Hydrocarbons, C <sub>12-20</sub> , hydrotreated paraffinic, distn. lights, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97675-86-0	307-660-1
888	Hydrocarbons, C <sub>11-17</sub> , solvent-extd. light naphthenic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97722-08-2	307-757-9
889	Gas oils, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-78-7	308-128-1
890	Distillates (petroleum), carbon-treated light paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-97-4	309-667-5
891	Distillates (petroleum), intermediate paraffinic, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-98-5	309-668-0
892	Distillates (petroleum), intermediate paraffinic, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100683-99-6	309-669-6
893	Lubricating greases, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	74869-21-9	278-011-7

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
894	Slack wax (petroleum), except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64742-61-6	265-165-5
895	Slack wax (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90669-77-5	292-659-8
896	Slack wax (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	90669-78-6	292-660-3
897	Slack wax (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92062-09-4	295-523-6
898	Slack wax (petroleum), low-melting, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92062-10-7	295-524-1
899	Slack wax (petroleum), low-melting, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92062-11-8	295-525-7
900	Slack wax (petroleum), low-melting, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-04-2	308-155-9
901	Slack wax (petroleum), low-melting, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-05-3	308-156-4
902	Slack wax (petroleum), low-melting, silicic acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97863-06-4	308-158-5
903	Slack wax (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100684-49-9	309-723-9

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
904	Petrolatum, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	8009-03-8	232-373-2
905	Petrolatum (petroleum), oxidised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	64743-01-7	265-206-7
906	Petrolatum (petroleum), alumina-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	85029-74-9	285-098-5
907	Petrolatum (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	92045-77-7	295-459-9
908	Petrolatum (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-97-0	308-149-6
909	Petrolatum (petroleum), silicic acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	97862-98-1	308-150-1
910	Petrolatum (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	100684-33-1	309-706-6
911	Distillates (petroleum), light catalytic cracked	64741-59-9	265-060-4
912	Distillates (petroleum), intermediate catalytic cracked	64741-60-2	265-062-5
913	Distillates (petroleum), light thermal cracked	64741-82-8	265-084-5
914	Distillates (petroleum), hydrodesulfurised light catalytic cracked	68333-25-5	269-781-5
915	Distillates (petroleum), light steam-cracked naphtha	68475-80-9	270-662-5
916	Distillates (petroleum), cracked steam-cracked petroleum distillates	68477-38-3	270-727-8
917	Gas oils (petroleum), steam-cracked	68527-18-4	271-260-2
918	Distillates (petroleum), hydrodesulfurised thermal cracked middle	85116-53-6	285-505-6

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
919	Gas oils (petroleum), thermal-cracked, hydrodesulfurised	92045-29-9	295-411-7
920	Residues (petroleum), hydrogenated steam-cracked naphtha	92062-00-5	295-514-7
921	Residues (petroleum), steam-cracked naphtha distn.	92062-04-9	295-517-3
922	Distillates (petroleum), light catalytic cracked, thermally degraded	92201-60-0	295-991-1
923	Residues (petroleum), steam-cracked heat-soaked naphtha	93763-85-0	297-905-8
924	Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurised	97926-59-5	308-278-8
925	Distillates (petroleum), hydrodesulfurised middle coker	101316-59-0	309-865-1
926	Distillates (petroleum), heavy steam-cracked	101631-14-5	309-939-3
927	Residues (petroleum), atm. Tower	64741-45-3	265-045-2
928	Gas oils (petroleum), heavy vacuum	64741-57-7	265-058-3
929	Distillates (petroleum), heavy catalytic cracked	64741-61-3	265-063-0
930	Clarified oils (petroleum), catalytic cracked	64741-62-4	265-064-6
931	Residues (petroleum), catalytic reformer fractionator	64741-67-9	265-069-3
932	Residues (petroleum), hydrocracked	64741-75-9	265-076-1
933	Residues (petroleum), thermal cracked	64741-80-6	265-081-9
934	Distillates (petroleum), heavy thermal cracked	64741-81-7	265-082-4
935	Gas oils (petroleum), hydrotreated vacuum	64742-59-2	265-162-9
936	Residues (petroleum), hydrodesulfurised atmospheric tower	64742-78-5	265-181-2
937	Gas oils (petroleum), hydrodesulfurised heavy vacuum	64742-86-5	265-189-6
938	Residues (petroleum), steam-cracked	64742-90-1	265-193-8
939	Residues (petroleum), atmospheric	68333-22-2	269-777-3
940	Clarified oils (petroleum), hydrodesulfurised catalytic cracked	68333-26-6	269-782-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
941	Distillates (petroleum), hydrodesulfurised intermediate catalytic cracked	68333-27-7	269-783-6
942	Distillates (petroleum), hydrodesulfurised heavy catalytic cracked	68333-28-8	269-784-1
943	Fuel oil, residues-straight-run gas oils, high-sulfur	68476-32-4	270-674-0
944	Fuel oil, residual	68476-33-5	270-675-6
945	Residues (petroleum), catalytic reformer fractionator residue distn.	68478-13-7	270-792-2
946	Residues (petroleum), heavy coker gas oil and vacuum gas oil	68478-17-1	270-796-4
947	Residues (petroleum), heavy coker and light vacuum	68512-61-8	270-983-0
948	Residues (petroleum), light vacuum	68512-62-9	270-984-6
949	Residues (petroleum), steam-cracked light	68513-69-9	271-013-9
950	Fuel oil, No 6	68553-00-4	271-384-7
951	Residues (petroleum), topping plant, low-sulfur	68607-30-7	271-763-7
952	Gas oils (petroleum), heavy atmospheric	68783-08-4	272-184-2
953	Residues (petroleum), coker scrubber, condensed-ring-arom. -contg	68783-13-1	272-187-9
954	Distillates (petroleum), petroleum residues vacuum	68955-27-1	273-263-4
955	Residues (petroleum), steam-cracked, resinous	68955-36-2	273-272-3
956	Distillates (petroleum), intermediate vacuum	70592-76-6	274-683-0
957	Distillates (petroleum), light vacuum	70592-77-7	274-684-6
958	Distillates (petroleum), vacuum	70592-78-8	274-685-1
959	Gas oils (petroleum), hydrodesulfurised coker heavy vacuum	85117-03-9	285-555-9
960	Residues (petroleum), steam-cracked, distillates	90669-75-3	292-657-7
961	Residues (petroleum), vacuum, light	90669-76-4	292-658-2
962	Fuel oil, heavy, high-sulfur	92045-14-2	295-396-7

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
963	Residues (petroleum), catalytic cracking	92061-97-7	295-511-0
964	Distillates (petroleum), intermediate catalytic cracked, thermally degraded	92201-59-7	295-990-6
965	Residual oils (petroleum)	93821-66-0	298-754-0
966	Residues, steam cracked, thermally treated	98219-64-8	308-733-0
967	Distillates (petroleum), hydrodesulfurised full-range middle	101316-57-8	309-863-0
968	Distillates (petroleum), light paraffinic	64741-50-0	265-051-5
969	Distillates (petroleum), heavy paraffinic	64741-51-1	265-052-0
970	Distillates (petroleum), light naphthenic	64741-52-2	265-053-6
971	Distillates (petroleum), heavy naphthenic	64741-53-3	265-054-1
972	Distillates (petroleum), acid-treated heavy naphthenic	64742-18-3	265-117-3
973	Distillates (petroleum), acid-treated light naphthenic	64742-19-4	265-118-9
974	Distillates (petroleum), acid-treated heavy paraffinic	64742-20-7	265-119-4
975	Distillates (petroleum), acid-treated light paraffinic	64742-21-8	265-121-5
976	Distillates (petroleum), chemically neutralised heavy paraffinic	64742-27-4	265-127-8
977	Distillates (petroleum), chemically neutralised light paraffinic	64742-28-5	265-128-3
978	Distillates (petroleum), chemically neutralised heavy naphthenic	64742-34-3	265-135-1
979	Distillates (petroleum), chemically neutralised light naphthenic	64742-35-4	265-136-7
980	Extracts (petroleum), light naphthenic distillate solvent	64742-03-6	265-102-1
981	Extracts (petroleum), heavy paraffinic distillate solvent	64742-04-7	265-103-7
982	Extracts (petroleum), light paraffinic distillate solvent	64742-05-8	265-104-2
983	Extracts (petroleum), heavy naphthenic distillate solvent	64742-11-6	265-111-0
984	Extracts (petroleum), light vacuum gas oil solvent	91995-78-7	295-341-7

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
985	Hydrocarbons, C <sub>26-55</sub> , arom. rich	97722-04-8	307-753-7
986	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)	573-58-0	209-358-4
987	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate	1937-37-7	217-710-3
988	Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]	2602-46-2	220-012-1
989	4-o-Tolylazo-o-toluidine	97-56-3	202-591-2
990	4-Aminoazobenzene	60-09-3	200-453-6
991	Disodium[5-[[4'-[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylato(4-)cuprate(2-)	16071-86-6	240-221-1
992	Resorcinol diglycidyl ether	101-90-6	202-987-5
993	1,3-Diphenylguanidine	102-06-7	203-002-1
994	Heptachlor-epoxide	1024-57-3	213-831-0
995	4-Nitrosophenol	104-91-6	203-251-6
996	Carbendazim	10605-21-7	234-232-0
997	Allyl glycidyl ether	106-92-3	203-442-4
998	Chloroacetaldehyde	107-20-0	203-472-8
999	Hexane	110-54-3	203-777-6
1000	2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether; DEGME)	111-77-3	203-906-6
1001	(+/-)-2-(2,4-Dichlorophenyl)-3-(1 <i>H</i> -1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether (Tetraconazole - ISO)	112281-77-3	407-760-6
1002	4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone	114565-66-1	406-057-1
1003	5,6,12,13-Tetrachloroantra(2,1,9- <i>def</i> :6,5,10- <i>d'e'f</i> )diisooquinoline-1,3,8,10(2 <i>H</i> ,9 <i>H</i> )-tetrone	115662-06-1	405-100-1
1004	tris(2-Chloroethyl) phosphate	115-96-8	204-118-5
1005	4'-Ethoxy-2-benzimidazoleanilide	120187-29-3	407-600-5
1006	Nickel dihydroxide	12054-48-7	235-008-5
1007	N,N-Dimethylaniline	121-69-7	204-493-5
1008	Simazine	122-34-9	204-535-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1009	bis(Cyclopentadienyl)-bis(2,6-difluoro-3-(pyrrol-1-yl)-phenyl)titanium	125051-32-3	412-000-1
1010	N,N,N',N'-Tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane	130728-76-6	410-060-3
1011	Divanadium ptaaoxide	1314-62-1	215-239-8
1012	Pentachlorophenol and its alkali salts	87-86-5/131-52-2/7778-73-6	201-778-6/205-025-2/231-911-3
1013	Phosphamidon	13171-21-6	236-116-5
1014	<i>N</i> -(Trichloromethylthio)phthalimide (Folpet - ISO)	133-07-3	205-088-6
1015	N-2-Naphthylaniline	135-88-6	205-223-9
1016	Ziram	137-30-4	205-288-3
1017	1-Bromo-3,4,5-trifluorobenzene	138526-69-9	418-480-9
1018	Propazine	139-40-2	205-359-9
1019	3-(4-Chlorophenyl)-1,1-dimethyluronium trichloroacetate; monuron-TCA	140-41-0	006-043-00-1
1020	Isoxaflutole	141112-29-0	606-054-00-7
1021	Kresoxim-methyl	143390-89-0	607-310-00-0
1022	Chlordecone	143-50-0	205-601-3
1023	9-Vinylcarbazole	1484-13-5	216-055-0
1024	2-Ethylhexanoic acid	149-57-5	205-743-6
1025	Monuron	150-68-5	205-766-1
1026	Morpholine-4-carbonyl chloride	15159-40-7	239-213-0
1027	Daminozide	1596-84-5	216-485-9
1028	Alachlor (ISO)	15972-60-8	240-110-8
1029	UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C <sub>16-18</sub> tallow alkylamine	166242-53-1	422-720-8
1030	Ioxynil and Ioxynil octanoate (ISO)	1689-83-4/3861-47-0	216-881-1/223-375-4
1031	Bromoxynil (ISO) (3,5-Dibromo-4-hydroxybenzonitrile) and Bromoxynil heptanoate (ISO)	1689-84-5/56634-95-8	216-882-7/260-300-4
1032	2,6-Dibromo-4-cyanophenyl octanoate	1689-99-2	216-885-3
1033	Moved or deleted		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1034	5-Chloro-1,3-dihydro-2 <i>H</i> -indol-2-one	17630-75-0	412-200-9
1035	Benomyl	17804-35-2	241-775-7
1036	Chlorothalonil	1897-45-6	217-588-1
1037	N'-(4-Chloro-o-tolyl)-N,N-dimethylformamidine monohydrochloride	19750-95-9	243-269-1
1038	4,4'-Methylenebis(2-ethylaniline)	19900-65-3	243-420-1
1039	Valinamide	20108-78-5	402-840-7
1040	[(p-Tolyloxy)methyl]oxirane	2186-24-5	218-574-8
1041	[(m-Tolyloxy)methyl]oxirane	2186-25-6	218-575-3
1042	2,3-Epoxypropyl o-tolyl ether	2210-79-9	218-645-3
1043	[(Tolyloxy)methyl]oxirane, cresyl glycidyl ether	26447-14-3	247-711-4
1044	Di-allate	2303-16-4	218-961-1
1045	Benzyl 2,4-dibromobutanoate	23085-60-1	420-710-8
1046	Trifluoroiodomethane	2314-97-8	219-014-5
1047	Thiophanate-methyl	23564-05-8	245-740-7
1048	Dodecachloropentacyclo[5.2.1.0 <sup>2,6</sup> .0 <sup>3,9</sup> 0 <sup>5,8</sup> ]decane (Mirex)	2385-85-5	219-196-6
1049	Propyzamide	23950-58-5	245-951-4
1050	Butyl glycidyl ether	2426-08-6	219-376-4
1051	2,3,4-Trichlorobut-1-ene	2431-50-7	219-397-9
1052	Chinomethionate	2439-01-2	219-455-3
1053	( <i>R</i> )- $\alpha$ -Phenylethylammonium (-(1 <i>R</i> ,2 <i>S</i> )-(1,2-epoxypropyl)phosphonate monohydrate	25383-07-7	418-570-8
1054	5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (Etridiazole - ISO)	2593-15-9	219-991-8
1055	Disperse Yellow 3	2832-40-8	220-600-8
1056	1,2,4-Triazole	288-88-0	206-022-9
1057	Aldrin (ISO)	309-00-2	206-215-8
1058	Diuron (ISO)	330-54-1	206-354-4

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1059	Linuron (ISO)	330-55-2	206-356-5
1060	Nickel carbonate	3333-67-3	222-068-2
1061	3-(4-Isopropylphenyl)-1,1-dimethylurea (Isoproturon - ISO)	34123-59-6	251-835-4
1062	Iprodione	36734-19-7	253-178-9
1063	Moved or deleted		
1064	5-(2,4-Dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran	41107-56-6	415-360-8
1065	Crotonaldehyde	4170-30-3	224-030-0
1066	Hexahydrocyclopenta(c)pyrrole-1-(1 <i>H</i> )-ammonium <i>N</i> -ethoxycarbonyl- <i>N</i> -(p-tolylsulfonyl)azanide		418-350-1
1067	4,4'-Carbonimidoylbis[N,N-dimethylaniline] and its salts	492-80-8	207-762-5
1068	DNOC (ISO)	534-52-1	208-601-1
1069	Toluidinium chloride	540-23-8	208-740-8
1070	Toluidine sulphate (1:1)	540-25-0	208-741-3
1071	2-(4- <i>tert</i> .-Butylphenyl)ethanol	5406-86-0	410-020-5
1072	Fenthion	55-38-9	200-231-9
1073	Chlordane, pur	57-74-9	200-349-0
1074	Hexan-2-one (Methyl butyl ketone)	591-78-6	209-731-1
1075	Fenarimol	60168-88-9	262-095-7
1076	Acetamide	60-35-5	200-473-5
1077	<i>N</i> -Cyclohexyl- <i>N</i> -methoxy-2,5-dimethyl-3-furamide (Furmecyclox - ISO)	60568-05-0	262-302-0
1078	Dieldrin	60-57-1	200-484-5
1079	4,4'-Isobutylethylenediphenol	6807-17-6	401-720-1
1080	Chlordimeform	6164-98-3	228-200-5
1081	Amitrole	61-82-5	200-521-5
1082	Carbaryl	63-25-2	200-555-0
1083	Distillates (petroleum), light hydrocracked	64741-77-1	265-078-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1084	1-Ethyl-1-methylmorpholinium bromide	65756-41-4	612-182-00-4
1085	(3-Chlorophenyl)-(4-methoxy-3-nitrophenyl)methanone	66938-41-8	423-290-4
1086	Fuels, diesel, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen	68334-30-5	269-822-7
1087	Fuel oil, no. 2	68476-30-2	270-671-4
1088	Fuel oil, no. 4	68476-31-3	270-673-5
1089	Fuels, diesel, no. 2	68476-34-6	270-676-1
1090	2,2-Dibromo-2-nitroethanol	69094-18-4	412-380-9
1091	1-Ethyl-1-methylpyrrolidinium bromide	69227-51-6	612-183-00-X
1092	Monocrotophos	6923-22-4	230-042-7
1093	Nickel	7440-02-0	231-111-4
1094	Bromomethane (Methyl bromide - ISO)	74-83-9	200-813-2
1095	Chloromethane (Methyl chloride)	74-87-3	200-817-4
1096	Iodomethane (Methyl iodide)	74-88-4	200-819-5
1097	Bromoethane (Ethyl bromide)	74-96-4	200-825-8
1098	Heptachlor	76-44-8	200-962-3
1099	Fentin hydroxide	76-87-9	200-990-6
1100	Nickel sulphate	7786-81-4	232-104-9
1101	3,5,5-Trimethylcyclohex-2-enone (Isophorone)	78-59-1	201-126-0
1102	2,3-Dichloropropene	78-88-6	201-153-8
1103	Fluazifop-P-butyl (ISO)	79241-46-6	607-305-00-3
1104	(S)-2,3-Dihydro-1 <i>H</i> -indole-carboxylic acid	79815-20-6	410-860-2
1105	Toxaphene	8001-35-2	232-283-3
1106	(4-Hydrazinophenyl)- <i>N</i> -methylmethanesulfonamide hydrochloride	81880-96-8	406-090-1
1107	CI Solvent Yellow 14	842-07-9	212-668-2
1108	Chlozolinate	84332-86-5	282-714-4
1109	Alkanes, C <sub>10-13</sub> , monochloro	85535-84-8	287-476-5
1110	Moved or deleted		

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1111	2,4,6-Trichlorophenol	88-06-2	201-795-9
1112	Diethylcarbamoyl-chloride	88-10-8	201-798-5
1113	1-Vinyl-2-pyrrolidone	88-12-0	201-800-4
1114	Myclobutanil (ISO) (2-(4-chlorophenyl)-2-(1 <i>H</i> -1,2,4-triazol-1-ylmethyl)hexanenitrile)	88671-89-0	410-400-0
1115	Fentin acetate	900-95-8	212-984-0
1116	Biphenyl-2-ylamine	90-41-5	201-990-9
1117	<i>Trans</i> -4-cyclohexyl-L-proline monohydro-chloride	90657-55-9	419-160-1
1118	2-Methyl-m-phenylene diisocyanate (Toluene 2,6-diisocyanate)	91-08-7	202-039-0
1119	4-Methyl-m-phenylene diisocyanate (Toluene 2,4-diisocyanate)	584-84-9	209-544-5
1120	m-Tolylidene diisocyanate (Toluene diisocyanate)	26471-62-5	247-722-4
1121	Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated	94114-58-6	302-694-3
1122	Fuels, diesel, coal solvent extn., hydrocracked hydrogenated	94114-59-7	302-695-9
1123	Pitch, if it contains > 0,005 % w/w benzo[a]pyrene	61789-60-4	263-072-4
1124	2-Butanone oxime	96-29-7	202-496-6
1125	Hydrocarbons, C <sub>16-20</sub> , solvent-dewaxed hydrocracked paraffinic distn. Residue	97675-88-2	307-662-2
1126	α,α-Dichlorotoluene	98-87-3	202-709-2
1127	Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate)fibres with random orientation with alkaline oxide and alkali earth oxide (Na <sub>2</sub> O + K <sub>2</sub> O + CaO + MgO + BaO) content greater than 18 % by weight]		
1128	Reaction product of acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid		406-230-1
1129	Moved or deleted		
1130	Moved or deleted		

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1131	Trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulfonato-1-naphtholato)chromate(1-)		400-810-8
1132	A mixture of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)-phenoxy)2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)-phenoxy-2-hydroxypropyl-2-(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-2-(2,3-epoxypropyl)phenoxy and 4-allyl-6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)-phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)2-hydroxypropyl)-2-(2,3-epoxypropyl)phenol		417-470-1
1133	Costus root oil ( <i>Saussurea lappa</i> Clarke), when used as a fragrance ingredient	8023-88-9	
1134	7-Ethoxy-4-methylcoumarin, when used as a fragrance ingredient	87-05-8	201-721-5
1135	Hexahydrocoumarin, when used as a fragrance ingredient	700-82-3	211-851-4
<b>▼M1</b>			
1136	Exudation of <i>Myroxylon pereirae</i> (Royle) Klotzsch (Peru balsam, crude) when used as a fragrance ingredient	8007-00-9	232-352-8
<b>▼B</b>			
1137	Isobutyl nitrite	542-56-2	208-819-7
1138	Isoprene (stabilized); (2-methyl-1,3-butadiene)	78-79-5	201-143-3
1139	1-Bromopropane; n-Propyl bromide	106-94-5	203-445-0
1140	Chloroprene (stabilized); (2-Chlorobuta-1,3-diene)	126-99-8	204-818-0
1141	1,2,3-Trichloropropane	96-18-4	202-486-1
1142	Ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
1143	Dinocap (ISO)	39300-45-3	254-408-0
1144	Diaminotoluene, technical product -mixture of [4-methyl- <i>m</i> -phenylenediamine] (4) and [2-methyl- <i>m</i> -phenylenediamine] (5) Methyl-phenylenediamine	25376-45-8	246-910-3
1145	<i>p</i> -Chlorobenzotrichloride	5216-25-1	226-009-1
1146	Diphenylether; octabromo derivate	32536-52-0	251-087-9
1147	1,2-bis(2-Methoxyethoxy)ethane; Triethylene glycol dimethyl ether (TEGDME)	112-49-2	203-977-3

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1148	Tetrahydrothiopyran-3-carboxaldehyde	61571-06-0	407-330-8
1149	4,4'-bis(Dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5
1150	Oxiranemethanol, 4-methylbenzene-sulfonate, (S)-	70987-78-9	417-210-7
1151	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear [1]  n-Pentyl-isopentylphthalate [2]  di-n-Pentyl phthalate [3]  Diisopentylphthalate [4]	84777-06-0 [1]  -[2]  131-18-0 [3]  605-50-5 [4]	284-032-2  205-017-9  210-088-4
1152	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
1153	1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> , branched and linear alkyl esters	68515-42-4	271-084-6
1154	A mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate and trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate		402-660-9
1155	(Methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxypyridine-5,3-diyl))-1,1'-dipyridinium dichloride dihydrochloride		401-500-5
1156	2-[2-Hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one		420-580-2
1157	Azafenidin	68049-83-2	
1158	2,4,5-Trimethylaniline [1]  2,4,5-Trimethylaniline hydrochloride [2]	137-17-7 [1]  21436-97-5 [2]	205-282-0
1159	4,4'-Thiodianiline and its salts	139-65-1	205-370-9
1160	4,4'-Oxydianiline ( <i>p</i> -Aminophenyl ether) and its salts	101-80-4	202-977-0
1161	<i>N,N,N',N'</i> -Tetramethyl-4,4'-methylenedianiline	101-61-1	202-959-2
1162	6-Methoxy- <i>m</i> -toluidine; ( <i>p</i> -Cresidine)	120-71-8	204-419-1
1163	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1164	A mixture of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione and a mixture of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione		421-550-1
1165	2-Nitrotoluene	88-72-2	201-853-3
1166	Tributyl phosphate	126-73-8	204-800-2
1167	Naphthalene	91-20-3	202-049-5
1168	Nonylphenol [1]  4-Nonylphenol, branched [2]	25154-52-3 [1]  84852-15-3 [2]	246-672-0  284-325-5
1169	1,1,2-Trichloroethane	79-00-5	201-166-9
1170	Moved or deleted		
1171	Moved or deleted		
1172	allyl chloride; (3-Chloropropene)	107-05-1	203-457-6
1173	1,4-Dichlorobenzene; ( <i>p</i> -Dichlorobenzene)	106-46-7	203-400-5
1174	bis(2-Chloroethyl) ether	111-44-4	203-870-1
1175	Phenol	108-95-2	203-632-7
1176	Bisphenol A (4,4'-Isopropylidenediphenol)	80-05-7	201-245-8
1177	Trioxymethylene (1,3,5-Trioxan)	110-88-3	203-812-5
1178	Propargite (ISO)	2312-35-8	219-006-1
1179	1-Chloro-4-nitrobenzene	100-00-5	202-809-6
1180	Molinate (ISO)	2212-67-1	218-661-0
1181	Fenpropimorph (ISO)	67564-91-4	266-719-9
1182	Moved or deleted		
1183	Methyl isocyanate	624-83-9	210-866-3
1184	N,N-Dimethylanilinium tetrakis(pentafluorophenyl)borate	118612-00-3	422-050-6
1185	O,O'-(Ethenylmethylsilylene) di[(4-methylpentan-2-one) oxime]		421-870-1

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1186	A 2:1 mixture of: 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinol-4-yl-tris(6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate) and 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinolbis(6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate)	140698-96-0	414-770-4
1187	A mixture of: reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalenesulfonate (1:2) and reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalenesulfonate (1:3)		417-980-4
1188	Malachite green hydrochloride [1]  Malachite green oxalate [2]	569-64-2 [1]  18015-76-4 [2]	209-322-8  241-922-5
1189	1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	107534-96-3	403-640-2
1190	5-(3-Butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxy-imino)propyl]-3-hydroxycyclohex-2-en-1-one	138164-12-2	414-790-3
1191	<i>trans</i> -4-Phenyl-L-proline	96314-26-0	416-020-1
1192	Moved or deleted		
1193	A mixture of: 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid and 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid	163879-69-4	418-230-9
1194	2-{{4-(2-Ammoniopropylamino)-6-{{4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenyl)azo}-2-sulfonatonaphth-7-ylamino}{1,3,5-triazin-2-ylamino}}-2-aminopropyl formate		424-260-3
1195	5-Nitro- <i>o</i> -toluidine [1]  5-Nitro- <i>o</i> -toluidine hydrochloride [2]	99-55-8 [1]  51085-52-0 [2]	202-765-8  256-960-8
1196	1-(1-Naphthylmethyl)quinolinium chloride	65322-65-8	406-220-7
1197	(R)-5-Bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole	143322-57-0	422-390-5
1198	Pymetrozine (ISO)	123312-89-0	613-202-00-4
1199	Oxadiargyl (ISO)	39807-15-3	254-637-6
1200	Chlorotoluron (3-(3-chloro- <i>p</i> -tolyl)-1,1-dimethylurea)	15545-48-9	239-592-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1201	N-[2-(3-Acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl]acetamide		416-860-9
1202	1,3-bis(Vinylsulfonylacetamido)propane	93629-90-4	428-350-3
1203	<i>p</i> -Phenetidine (4-Ethoxyaniline)	156-43-4	205-855-5
1204	<i>m</i> -Phenylenediamine and its salts	108-45-2	203-584-7
1205	Residues (coal tar), creosote oil distn., if it contains > 0,005 % w/w benzo[a]pyrene	92061-93-3	295-506-3
1206	Creosote oil, acenaphthene fraction, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	90640-84-9	292-605-3
1207	Creosote oil, if it contains > 0,005 % w/w benzo[a]pyrene	61789-28-4	263-047-8
1208	Creosote, if it contains > 0,005 % w/w benzo[a]pyrene	8001-58-9	232-287-5
1209	Creosote oil, high-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-79-8	274-565-9
1210	Extract residues (coal), creosote oil acid, wash oil extract residue, if it contains > 0,005 % w/w benzo[a]pyrene	122384-77-4	310-189-4
1211	Creosote oil, low-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene	70321-80-1	274-566-4
1212	6-Methoxy-2,3-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	94166-62-8	303-358-9
1213	2,3-Naphthalenediol, when used as a substance in hair dye products	92-44-4	202-156-7
1214	2,4-Diaminodiphenylamine, when used as a substance in hair dye products	136-17-4	
1215	2,6-Bis(2-Hydroxyethoxy)-3,5-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	117907-42-3	
1216	2-Methoxymethyl- <i>p</i> -Aminophenol and its HCl salt, when used as a substance in hair dye products	135043-65-1/ 29785-47-5	
1217	4,5-Diamino-1-Methylpyrazole and its HCl salt, when used as a substance in hair dye products	20055-01-0/ 21616-59-1	
1218	4,5-Diamino-1-((4-Chlorophenyl)Methyl)-1H-Pyrazole Sulfate, when used as a substance in hair dye products	163183-00-4	

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1219	4-Chloro-2-Aminophenol, when used as a substance in hair dye products	95-85-2	202-458-9
1220	4-Hydroxyindole, when used as a substance in hair dye products	2380-94-1	219-177-2
1221	4-Methoxytoluene-2,5-Diamine and its HCl salt, when used as a substance in hair dye products	56496-88-9	
1222	5-Amino-4-Fluoro-2-Methylphenol Sulfate, when used as a substance in hair dye products	163183-01-5	
1223	N,N-Diethyl- <i>m</i> -Aminophenol, when used as a substance in hair dye products	91-68-9/ 68239-84-9	202-090-9/ 269-478-8
1224	N,N-Dimethyl-2,6-Pyridinediamine and its HCl salt, when used as a substance in hair dye products	—	
1225	N-Cyclopentyl- <i>m</i> -Aminophenol, when used as a substance in hair dye products	104903-49-3	
1226	N-(2-Methoxyethyl)- <i>p</i> -phenylenediamine and its HCl salt, when used as a substance in hair dye products	72584-59-9/ 66566-48-1	276-723-2
1227	2,4-Diamino-5-methylphenetol and its HCl salt, when used as a substance in hair dye products	113715-25-6	
1228	1,7-Naphthalenediol, when used as a substance in hair dye products	575-38-2	209-383-0
1229	3,4-Diaminobenzoic acid, when used as a substance in hair dye products	619-05-6	210-577-2
1230	2-Aminomethyl- <i>p</i> -aminophenol and its HCl salt, when used as a substance in hair dye products	79352-72-0	
1231	Solvent Red 1 (CI 12150), when used as a substance in hair dye products	1229-55-6	214-968-9
1232	Acid Orange 24 (CI 20170), when used as a substance in hair dye products	1320-07-6	215-296-9
1233	Acid Red 73 (CI 27290), when used as a substance in hair dye products	5413-75-2	226-502-1
1234	PEG-3,2',2'-di- <i>p</i> -Phenylenediamine	144644-13-3	
1235	6-Nitro- <i>o</i> -Toluidine	570-24-1	209-329-6
1236	HC Yellow No 11	73388-54-2	

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1237	HC Orange No 3	81612-54-6	
1238	HC Green No 1	52136-25-1	257-687-7
1239	HC Red No 8 and its salts	13556-29-1/ 97404-14-3	- / 306-778-0
1240	Tetrahydro-6-nitroquinoxaline and its salts	158006-54-3/ 41959-35-7/ 73855-45-5	
1241	Disperse Red 15, except as impurity in Disperse Violet 1	116-85-8	204-163-0
1242	4-Amino-3-fluorophenol	399-95-1	402-230-0
1243	N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)propane-diamide Bishydroxyethyl Biscetyl Malonamide	149591-38-8	422-560-9
1244	1-Methyl-2,4,5-trihydroxybenzene and its salts, when used as a substance in hair dye products	1124-09-0	214-390-7
1245	2,6-Dihydroxy-4-methylpyridine and its salts, when used as a substance in hair dye products	4664-16-8	225-108-7
1246	5-Hydroxy-1,4-benzodioxane and its salts, when used as a substance in hair dye products	10288-36-5	233-639-0
1247	3,4-Methylenedioxyphephenol and its salts, when used as a substance in hair dye products	533-31-3	208-561-5
1248	3,4-Methylenedioxyaniline and its salts, when used as a substance in hair dye products	14268-66-7	238-161-6
1249	Hydroxypyridinone and its salts, when used as a substance in hair dye products	822-89-9	212-506-0
1250	3-Nitro-4-aminophenoxyethanol and its salts, when used as a substance in hair dye products	50982-74-6	
1251	2-methoxy-4-nitrophenol (4-Nitroguaiacol) and its salts, when used as a substance in hair dye products	3251-56-7	221-839-0
1252	CI Acid Black 131 and its salts, when used as a substance in hair dye products	12219-01-1	
1253	1,3,5-Trihydroxybenzene (Phloroglucinol) and its salts, when used as a substance in hair dye products	108-73-6	203-611-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1254	1,2,4-Benzenetriacetate and its salts, when used as a substance in hair dye products	613-03-6	210-327-2
1255	Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2-nitro-1,4-benzenediamine (HC Blue No. 5) and its salts, when used as a substance in hair dye products	68478-64-8/ 158571-58-5	
1256	N-Methyl-1,4-diaminoanthraquinone, reaction products with epichlorohydrin and monoethanolamine (HC Blue No. 4) and its salts, when used as a substance in hair dye products	158571-57-4	
1257	4-Aminobenzenesulfonic acid (Sulfanilic acid) and its salts, when used as a substance in hair dye products	121-57-3/ 515-74-2	204-482-5/ 208-208-5
1258	3,3'-(Sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-(phenylamino)) benzenesulfonic acid and its salts, when used as a substance in hair dye products	6373-79-1	228-922-0
1259	3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products	89959-98-8/ 12221-69-1	289-660-0
1260	2,2'-(3-Chloro-4-((2,6-dichloro-4-nitrophenyl)azo)phenyl)imino)bisethanol (Disperse Brown 1) and its salts, when used as a substance in hair dye products	23355-64-8	245-604-7
1261	Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methyl-, and its salts, when used as a substance in hair dye products	12270-13-2	235-546-0
1262	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutanamide (Pigment Yellow 73) and its salts, when used as a substance in hair dye products	13515-40-7	236-852-7
1263	2,2'-[3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-N-phenylbutanamide] (Pigment Yellow 12) and its salts, when used as a substance in hair dye products	6358-85-6	228-787-8
1264	2,2'-(1,2-Ethenediyl)bis[5-((4-ethoxyphenyl)azo)benzenesulfonic acid] and its salts, when used as a substance in hair dye products	2870-32-8	220-698-2
1265	2,3-Dihydro-2,2-dimethyl-6-[(4-(phenylazo)-1-naphthalenyl)azo]-1H-pyrimidine (Solvent Black 3) and its salts, when used as a substance in hair dye products	4197-25-5	224-087-1

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1266	3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylic acid and its salts, when used as a substance in hair dye products	3442-21-5/ 34977-63-4	222-351-0/ 252-305-5
1267	2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[(4-sulfophenyl)azo]phenyl]azo]-, and its salts, when used as a substance in hair dye products	2610-11-9	220-028-9
1268	(μ-((7,7'-Iminobis(4-hydroxy-3-((2-hydroxy-5-(N-methylsulphamoyl)phenyl)azo)naphthalene-2-sulphonato))(6-)))dicuprate(2-) and its salts, when used as a substance in hair dye products	37279-54-2	253-441-8
1269	3-[(4-(Acetylamino)phenyl)azo]-4-hydroxy-7-[[[[5-hydroxy-6-(phenylazo)-7-sulfo-2-naphthalenyl]amino]carbonyl]amino]-2-naphthalenesulfonic acid and its salts, when used as a substance in hair dye products	3441-14-3	222-348-4
1270	2-Naphthalenesulfonic acid, 7,7'-(carbonyldiimino)bis(4-hydroxy-3-[[2-sulfo-4-[(4-sulfophenyl)azo]phenyl]azo]-, and its salts, when used as a substance in hair dye products	2610-10-8/ 25188-41-4	220-027-3
1271	Ethanaminium, N-(4-[bis[4-(diethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene)-N-ethyl-, and its salts, when used as a substance in hair dye products	2390-59-2	219-231-5
1272	3H-Indolium, 2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products	54060-92-3	258-946-7
1273	3H-Indolium, 2-(2-((2,4-dimethoxyphenyl)amino)ethenyl)-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products	4208-80-4	224-132-5
1274	Nigrosine spirit soluble (Solvent Black 5), when used as a substance in hair dye products	11099-03-9	
1275	Phenoxazin-5-iium, 3,7-bis(diethylamino)-, and its salts, when used as a substance in hair dye products	47367-75-9/ 33203-82-6	251-403-5
1276	Benzo[a]phenoxazin-7-iium, 9-(dimethylamino)-, and its salts, when used as a substance in hair dye products	7057-57-0/ 966-62-1	230-338-6/ 213-524-1
1277	6-Amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)-dione (Solvent Yellow 44) and its salts, when used as a substance in hair dye products	2478-20-8	219-607-9

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1278	1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone and its salts, when used as a substance in hair dye products	67905-56-0/ 12217-43-5	267-677-4/ 235-398-7
1279	Laccaic Acid (CI Natural Red 25) and its salts, when used as a substance in hair dye products	60687-93-6	
1280	Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, and its salts, when used as a substance in hair dye products	6373-74-6/ 15347-52-1	228-921-5/ 239-377-3
1281	4-[(4-Nitrophenyl)azo]aniline (Disperse Orange 3) and its salts, when used as a substance in hair dye products	730-40-5/ 70170-61-5	211-984-8
1282	4-Nitro-m-phenylenediamine and its salts, when used as a substance in hair dye products	5131-58-8	225-876-3
1283	1-Amino-4-(methylamino)-9,10-anthracenedione (Disperse Violet 4) and its salts, when used as a substance in hair dye products	1220-94-6	214-944-8
1284	N-Methyl-3-nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products	2973-21-9	221-014-5
1285	N1-(2-Hydroxyethyl)-4-nitro-o-phenylenediamine (HC Yellow No. 5) and its salts, when used as a substance in hair dye products	56932-44-6	260-450-0
1286	N1-(Tris(hydroxymethyl)methyl)-4-nitro-1,2-phenylenediamine (HC Yellow No. 3) and its salts, when used as a substance in hair dye products	56932-45-7	260-451-6
1287	2-Nitro-N-hydroxyethyl-p-anisidine and its salts, when used as a substance in hair dye products	57524-53-5	
1288	N,N'-Dimethyl-N-Hydroxyethyl-3-nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products	10228-03-2	233-549-1
1289	3-(N-Methyl-N-(4-methylamino-3-nitrophenyl)amino)propane-1,2-diol and its salts, when used as a substance in hair dye products	93633-79-5	403-440-5
1290	4-Ethylamino-3-nitrobenzoic acid (N-Ethyl-3-Nitro PABA) and its salts, when used as a substance in hair dye products	2788-74-1	412-090-2

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1291	(8-[(4-Amino-2-nitrophenyl)azo]-7-hydroxy-2-naphthyl)trimethylammonium and its salts, except Basic Red 118 (CAS 71134-97-9) as impurity in Basic Brown 17, when used as a substance in hair dye products	71134-97-9	275-216-3
1292	5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products	12221-52-2	
1293	m-Phenylenediamine, 4-(phenylazo)-, and its salts, when used as a substance in hair dye products	495-54-5	207-803-7
1294	1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts, when used as a substance in hair dye products	4438-16-8	224-654-3
1295	2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-((2-methylphenyl)azo)-, and its salts, when used as a substance in hair dye products	6441-93-6	229-231-7
1296	4,4'-[ (4-Methyl-1,3-phenylene)bis(azo)]bis[6-methyl-1,3-benzenediamine] (Basic Brown 4) and its salts, when used as a substance in hair dye products	4482-25-1	224-764-1
1297	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]-N,N,N-trimethyl-, and its salts, when used as a substance in hair dye products	83803-99-0	280-920-9
1298	Benzenaminium, 3-[[4-[[diamino(phenylazo)phenyl]azo]-1-naphthalenyl]azo]-N,N,N-trimethyl-, and its salts, when used as a substance in hair dye products	83803-98-9	280-919-3
1299	Ethanaminium, N-[4-[(4-(diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts, when used as a substance in hair dye products	633-03-4	211-190-1
1300	9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)-, and its derivatives and salts, when used as a substance in hair dye products	2475-46-9/ 86722-66-9	219-604-2/ 289-276-3
1301	1,4-Diamino-2-methoxy-9,10-anthracenedione (Disperse Red 11) and its salts, when used as a substance in hair dye products	2872-48-2	220-703-8
1302	1,4-Dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone (Disperse Blue 7) and its salts, when used as a substance in hair dye products	3179-90-6	221-666-0
1303	1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts, when used as a substance in hair dye products	22366-99-0	244-938-0

## ▼B

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1304	N-[6-[(2-Chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide (HC Yellow No. 8) and its salts, when used as a substance in hair dye products	66612-11-1	266-424-5
1305	[6-[[3-Chloro-4-(methylamino)phenyl]imino]-4-methyl-3-oxocyclohexa-1,4-dien-1-yl]urea (HC Red No. 9) and its salts, when used as a substance in hair dye products	56330-88-2	260-116-4
1306	Phenothiazin-5-i um, 3,7-bis(dimethylamino)-, and its salts, when used as a substance in hair dye products	61-73-4	200-515-2
1307	4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts, when used as a substance in hair dye products	94082-85-6	
1308	5-Amino-2,6-Dimethoxy-3-Hydroxypyridine and its salts, when used as a substance in hair dye products	104333-03-1	
1309	4,4'-Diaminodiphenylamine and its salts, when used as a substance in hair dye products	537-65-5	208-673-4
1310	4-Diethylamino-o-toluidine and its salts, when used as a substance in hair dye products	148-71-0/ 24828-38-4/ 2051-79-8	205-722-1/ 246-484-9/ 218-130-3
1311	N,N-Diethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	93-05-0/ 6065-27-6/ 6283-63-2	202-214-1/ 227-995-6/ 228-500-6
1312	N,N-Dimethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	99-98-9/ 6219-73-4	202-807-5/ 228-292-7
1313	Toluene-3,4-Diamine and its salts, when used as a substance in hair dye products	496-72-0	207-826-2
1314	2,4-Diamino-5-methylphenoxyethanol and its salts, when used as a substance in hair dye products	141614-05-3/ 113715-27-8	
1315	6-Amino-o-cresol and its salts, when used as a substance in hair dye products	17672-22-9	
1316	Hydroxyethylaminomethyl-p-aminophenol and its salts, when used as a substance in hair dye products	110952-46-0/ 135043-63-9	
1317	2-Amino-3-nitrophenol and its salts, when used as a substance in hair dye products	603-85-0	210-060-1
1318	2-Chloro-5-nitro-N-hydroxyethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products	50610-28-1	256-652-3
1319	2-Nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products	5307-14-2/ 18266-52-9	226-164-5/ 242-144-9

**▼B**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1320	Hydroxyethyl-2,6-dinitro-p-anisidine and its salts, when used as a substance in hair dye products	122252-11-3	
1321	6-Nitro-2,5-pyridinediamine and its salts, when used as a substance in hair dye products	69825-83-8	
1322	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, and its salts, when used as a substance in hair dye products	477-73-6	207-518-8
1323	3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid and its salts, when used as a substance in hair dye products	16279-54-2/ 5610-64-0	240-379-1/ 227-029-3
1324	3-[(2-nitro-4-(trifluoromethyl)phenyl)amino]propane-1,2-diol (HC Yellow No. 6) and its salts, when used as a substance in hair dye products	104333-00-8	
1325	2-[(4-chloro-2-nitrophenyl)amino]ethanol (HC Yellow No. 12) and its salts, when used as a substance in hair dye products	59320-13-7	
1326	3-[[4-[(2-Hydroxyethyl)Methylamino]-2-Nitrophenyl]Amino]-1,2-Propanediol and its salts, when used as a substance in hair dye products	173994-75-7/ 102767-27-1	
1327	3-[[4-[Ethyl(2-Hydroxyethyl)Amino]-2-Nitrophenyl]Amino]-1,2-Propanediol and its salts, when used as a substance in hair dye products	114087-41-1/ 114087-42-2	
1328	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, and its salts, when used as a substance in hair dye products	2390-60-5	219-232-0
<b>▼M1</b>			
1329	4-[(4-Aminophenyl)(4-iminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine and its hydrochloride salt (Basic Violet 14; CI 42510) when used as a substance in hair dye products	3248-93-9 / 632-99-5 (HCl)	221-832-2 / 211-189-6 (HCl)
1330	4-(2,4-Dihydroxyphenylazo)benzensulphonic acid and its sodium salt (Acid Orange 6; CI 14270) when used as substance in hair dye products	2050-34-2 / 547-57-9 (Na)	218-087-0 / 208-924-8 (Na)

## ▼M1

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1331	3-Hydroxy-4-(phenylazo)-2-naphthoic acid and its calcium salt (Pigment Red 64:1; CI 15800) when used as a substance in hair dye products	27757-79-5 / 6371-76-2 (Ca)	248-638-0 / 228-899-7 (Ca)
1332	2-(6-Hydroxy-3-oxo-(3H)xanthen-9-yl)benzoic acid; Fluorescein and its disodium salt (Acid Yellow 73 sodium salt; CI 45350) when used as a substance in hair dye products	2321-07-5 / 518-47-8 (Na)	219-031-8 / 208-253-0 (Na)
1333	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one; 4',5'-Dibromofluorescein; (Solvent Red 72) and its disodium salt (CI 45370) when used as a substance in hair dye products	596-03-2 / 4372-02-5 (Na)	209-876-0 / 224-468-2 (Na)
1334	2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthan-9-yl)benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43), its disodium salt (Acid Red 87; CI 45380) and its aluminium salt (Pigment Red 90:1 Aluminium lake) when used as a substance in hair dye products	15086-94-9 / 17372-87-1 (Na) / 15876-39-8 (Al)	239-138-3 / 241-409-6 (Na) / 240-005-7 (Al)
1335	Xanthylium, 9-(2-carboxyphenyl)-3-((2-methylphenyl)amino)-6-((2-methyl-4-sulfophenyl)amino)-, inner salt and its sodium salt (Acid Violet 9; CI 45190) when used as a substance in hair dye products	10213-95-3 / 6252-76-2 (Na)	— / 228-377-9 (Na)
1336	3',6'-Dihydroxy-4',5'-diiodospiro(isobenzofuran-1(3H),9'-[9H]xanthene)-3-one; (Solvent Red 73) and its sodium salt (Acid Red 95; CI 45425) when used as a substance in hair dye products	38577-97-8 / 33239-19-9 (Na)	254-010-7 / 251-419-2 (Na)
1337	2',4',5',7'-Tetraiodofluorescein, its disodium salt (Acid Red 51; CI 45430) and its aluminium salt (Pigment Red 172 Aluminium lake) when used as a substance in hair dye products	15905-32-5 / 16423-68-0 (Na) / 12227-78-0 (Al)	240-046-0 / 240-474-8 (Na) / 235-440-4 (Al)
1338	1-Hydroxy-2,4-diaminobenzene (2,4-Diaminophenol) and its dihydrochloride salts (2,4-Diaminophenol HCl) when used as a substance in hair dye products	95-86-3 / 137-09-7 (HCl)	202-459-4 / 205-279-4 (HCl)
1339	1,4-Dihydroxybenzene (Hydroquinone), with the exception of entry 14 in Annex III	123-31-9	204-617-8
1340	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (Basic Blue 26; CI 44045) when used as a substance in hair dye products	2580-56-5	219-943-6
1341	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate (Ponceau SX; CI 14700) when used as a substance in hair dye products	4548-53-2	224-909-9

**▼M1**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1342	Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)- N <sub>5</sub> O <sub>6</sub> ]ferrate(3-); (Acid Green 1; CI 10020) when used as a substance in hair dye products	19381-50-1	243-010-2
1343	4-(Phenylazo)resorcinol (Solvent Orange 1; CI 11920) and its salts when used as a substance in hair dye products	2051-85-6	218-131-9
1344	4-[(4-Ethoxyphenyl)azo]naphthol (Solvent Red 3; CI 12010) and its salts when used as a substance in hair dye products	6535-42-8	229-439-8
1345	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol (Pigment Red 4; CI 12085) and its salts when used as a substance in hair dye products	2814-77-9	220-562-2
1346	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide (Pigment Red 112; CI 12370) and its salts when used as a substance in hair dye products	6535-46-2	229-440-3
1347	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide (Pigment Red 5; CI 12490) and its salts when used as a substance in hair dye products	6410-41-9	229-107-2
1348	Disodium 4-[(5-chloro-4-methyl-2-sulphonophenyl)azo]-3-hydroxy-2-naphthoate (Pigment Red 48; CI 15865) when used as a substance in hair dye products	3564-21-4	222-642-2
1349	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate (Pigment Red 63:1; CI 15880) when used as a substance in hair dye products	6417-83-0	229-142-3
1350	Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate (Acid Red 27; CI 16185) when used as a substance in hair dye products	915-67-3	213-022-2
1351	2,2'-(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] (Pigment Yellow 13; CI 21100) when used as a substance in hair dye products	5102-83-0	225-822-9
1352	2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol] (Solvent Yellow 29; CI 21230) when used as a substance in hair dye products	6706-82-7	229-754-0
1353	1-((4-Phenylazo)phenylazo)-2-naphthol (Solvent Red 23; CI 26100) when used as a substance in hair dye products	85-86-9	201-638-4

## ▼M1

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1354	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate (Food Black 2; CI 27755) when used as a substance in hair dye products	2118-39-0	218-326-9
1355	Ethanaminium, N-((4-diethylamino)phenyl)(2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, sodium salt (Acid Blue 1; CI 42045) when used as a substance in hair dye products	129-17-9	204-934-1
1356	Ethanaminium, N-((4-diethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) (Acid Blue 3; CI 42051) when used as a substance in hair dye products	3536-49-0	222-573-8
1357	Benzinemethanaminium, N-ethyl-N-((4-((ethyl((3-sulfophenyl)methyl)amino)phenyl)(4-hydroxy-2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt (Fast Green FCF; CI 42053) when used as a substance in hair dye products	2353-45-9	219-091-5
1358	1,3-Isobenzofurandione, reaction products with methyl-quinoline and quinoline (Solvent Yellow 33; CI 47000) when used as a substance in hair dye products	8003-22-3	232-318-2
1359	Nigrosine (CI 50420) when used as a substance in hair dye products	8005-03-6	—
1360	8,18-Dichloro-5,15-diethyl-5,15-dihydrodindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) when used as a substance in hair dye products	6358-30-1	228-767-9
1361	1,2-Dihydroxyanthraquinone (Pigment Red 83; CI 58000) when used as a substance in hair dye products	72-48-0	200-782-5
1362	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate (Solvent Green 7; CI 59040) when used as a substance in hair dye products	6358-69-6	228-783-6
1363	1-Hydroxy-4-(p-toluidino)anthraquinone (Solvent Violet 13; CI 60725) when used as a substance in hair dye products	81-48-1	201-353-5
1364	1,4-bis(p-Tolylamino)anthraquinone (Solvent Green 3; CI 61565) when used as a substance in hair dye products	128-80-3	204-909-5
1365	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one (VAT Red 1; CI 73360) when used as a substance in hair dye products	2379-74-0	219-163-6

**▼M1**

Reference number	Substance identification		
	Chemical name/INN	CAS number	EC number
a	b	c	d
1366	5,12-Dihydroquino[2,3-b]acridine-7,14-dione (Pigment Violet 19; CI 73900) when used as a substance in hair dye products	1047-16-1	213-879-2
1367	(29H,31H-Phthalocyaninato(2-)-N <sub>29</sub> ,N <sub>30</sub> ,N <sub>31</sub> ,N <sub>32</sub> )copper (Pigment Blue 15; CI 74160) when used as a substance in hair dye products	147-14-8	205-685-1
1368	Disodium [29H,31H-phthalocyaninedisulphonato(4-)-N <sub>29</sub> ,N <sub>30</sub> ,N <sub>31</sub> ,N <sub>32</sub> ]cuprate(2-) (Direct Blue 86; CI 74180) when used as a substance in hair dye products	1330-38-7	215-537-8
1369	Polychloro copper phthalocyanine (Pigment Green 7; CI 74260) when used as a substance in hair dye products	1328-53-6	215-524-7
1370	Diethylene glycol (DEG); 2,2'-oxydiethanol for traces level, see Annex III	111-46-6	203-872-2
1371	Phytonadione [INCI] / phytomenadione [INN]	84-80-0 / 81818-54-4	201-564-2 / 279-833-9
1372	2-Aminophenol (o-Aminophenol; CI 76520) and its salts	95-55-6 / 67845-79-8 / 51-19-4	202-431-1 / 267-335-4

**▼M3**

1373	N-(2-Nitro-4-aminophenyl)-allylamine (HC Red No 16) and its salts	160219-76-1	
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**▼M5**

1374	Isopropyl 4-hydroxybenzoate (INCI: Isopropylparaben) Sodium salt or Salts of Isopropylparaben	4191-73-5	224-069-3
1375	Isobutyl 4-hydroxybenzoate (INCI: Isobutylparaben)	4247-02-3	224-208-8
	Sodium salt or Salts of Isobutylparaben	84930-15-4	284-595-4
1376	Phenyl 4-hydroxybenzoate (INCI: Phenylparaben)	17696-62-7	241-698-9
1377	Benzyl 4-hydroxybenzoate (INCI: Benzylparaben)	94-18-8	
1378	Pentyl 4-hydroxybenzoate (INCI: Pentylpalaben)	6521-29-5	229-408-9

**▼B**

(<sup>1</sup>) OJ L 159, 29.6.1996, p. 1

(<sup>2</sup>) Modified INNM-name.

(<sup>3</sup>) OJ L 273, 10.10.2002, p. 1.

(<sup>4</sup>) for the individual ingredient see reference number 364 in Annex II.

(<sup>5</sup>) for the individual ingredient see reference number 413 in Annex II.

## LIST OF SUBSTANCES WHICH COSMETIC PRODUCTS MUST NOT CONTAIN EXCEPT SUBJECT TO THE RESTRICTIONS LAID DOWN

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
1a	Boric acid, borates and tetraborates with the exception of substance No 1184 in Annex II	Boric acid	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	(a) Talc  (b) Oral products  (c) Other products (excluding bath products and hair waving products)	(a) 5 % (as boric acid)  (b) 0,1 % (as boric acid)  (c) 3 % (as boric acid)	(a) Not to be used in products for children under 3 years of age  Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1,5 % (as boric acid)  (b) Not to be used in products for children under 3 years of age  (c) Not to be used in products for children under 3 years of age  Not to be used on peeling or irritated skin if the concentration of free soluble borates exceeds 1,5 % (as boric acid)	(a) Not to be used for children under 3 years of age  Not to be used on peeling or irritated skin  (b) Not to be swallowed  Not to be used for children under 3 years of age  (c) Not to be used for children under 3 years of age  Not to be used on peeling or irritated skin

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
a	b	c	d	e	f	g	h	i	
1b	Tetraborates, see also 1a)				(a) Bath products  (b) Hair products	(a) 18 % (as boric acid)  (b) 8 % (as boric acid)	(a) Not to be used in products for children under 3 years of age  (b) Rinse well	(a) Not to be used for children under 3 years of age  (b) Rinse well	
2a	Thioglycolic acid and its salts	Thioglycolic acid	68-11-1	200-677-4	(a) Hair waving or straightening products  (b) Depilatories  (c) Other hair rinse-off products  (d) Products intended for eyelash waving	(a) (i) 8 % (ii) 11 %  (b) 5 %  (c) 2 %  (d) 11 % The abovementioned percentages are calculated as thioglycolic acid	(a)  (i) General use ready for use pH 7 to 9,5  (ii) Professional use ready for use pH 7 to 9,5  (b) ready for use pH 7 to 12,7  (c) ready for use pH 7 to 9,5  (d) For professional use ready for use pH 7 to 9,5	Conditions of use: (a) (b) (c) (d) Avoid contact with eyes Rinse eyes immediately if product comes into contact with them. (a) (c) (d) Wear suitable gloves Warnings to be printed on the label: (a)(i) (b) (c) Contains thioglycolate Follow the instructions Keep out of reach of children (a)(ii) (d) For professional use only Contains thioglycolate Follow the instructions	2009R1223 — EN — 10.08.2015 — 008.001 — 120

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
2b	Thioglycolic acid esters				Hair waving or straightening products	(a) 8 %  (b) 11 % The above-mentioned percentages are calculated as thioglycolic acid	General use ready for use pH 6 to 9,5  Professional use ready for use pH 6 to 9,5	Conditions of use: (a) (b) May cause sensitization in the event of skin contact Avoid contact with eyes In the event of contact with eyes, rinse immediately with plenty of water and seek medical advice Wear suitable gloves Warnings: Contains thioglycolate Follow the instructions Keep out of reach of children  (b) For professional use only
3	Oxalic acid, its esters and alkaline salts	Oxalic acid	144-62-7	205-634-3	Hair products	5 %	Professional use	For professional use only

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
4	Ammonia	Ammonia	7664-41-7/ 1336-21-6	231-635-3/ 215-647-6		6 % (as NH <sub>3</sub> )		Above 2 %: Contains ammonia
5	Tosylchloramide sodium (INN)	Chloramine-T	127-65-1	204-854-7		0,2 %		
6	Chlorates of alkali metals	Sodium chlorate	7775-09-9	231-887-4	(a) Toothpaste (b) Other products	(a) 5 % (b) 3 %		
		Potassium chlorate	3811-04-9	223-289-7				
7	Dichloromethane	Dichloromethane	75-09-2	200-838-9		35 % (when mixed with 1,1,1-trichloroethane, total concentration must not exceed 35 %)	0,2 % as maximum impurity content	

**▼B****▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
8	N-substituted derivatives of p-Phenylenediamine and their salts; N-substituted derivatives of o-Phenylenediamine (1), with exception of those derivatives listed elsewhere in this Annex and under reference numbers 1309, 1311, and 1312 in Annex II				Hair dye substance in oxidative hair dye products		(a) General use	<p>(a) To be printed on the label: The mixing ratio.</p> <p>‘ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Contains phenylenediamines.</p> <p>Do not use to dye eyelashes or eyebrows’</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						(b) Professional use For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 3 % calculated as free base	(b) To be printed on the label: The mixing ratio. 'For professional use only' ⚠ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary "black henna" tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary "black henna" tattoo in the past. Contains phenylenediamines. Wear suitable gloves'	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
8a	p-Phenylenediamine and its salts	p-Phenylenediamine; p-Phenylenediamine HCl; p-Phenylenediamine Sulphate	106-50-3 / 624-18-0 / 16245-77-5	203-404-7 / 210-834-9 / 240-357-1	Hair dye substance in oxidative hair dye products		(a) General use	<p>(a) To be printed on the label: The mixing ratio. ‘⚠️ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Contains phenylenediamines. Do not use to dye eyelashes or eyebrows.’</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						(b) Professional use  For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2 % calculated as free base	(b) To be printed on the label:  The mixing ratio.  'For professional use only.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary "black henna" tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary "black henna" tattoo in the past.  Contains phenylenediamines.  Wear suitable gloves.'	

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
<b>▼M4</b> 8b	p-Phenylenediamine and its salts	p-Phenylenediamine; p-Phenylenediamine HCl; p-Phenylenediamine Sulphate	106-50-3 / 624-18-0 / 16245-77-5	203-404-7 / 210-834-9 / 240-357-1	Products intended for colouring eyelashes	After mixing under oxidative conditions the maximum concentration applied to eyelashes must not exceed 2 % calculated as free base  For professional use only.	<p>► <b>M4</b> To be printed on the label: The mixing ratio. ‘For professional use only. ⚠ This product can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase the risk of allergy. Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them. Contains phenylenediamines. Wear suitable gloves.’ ▲</p>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
9	Methylphenylenediamines, their N-substituted derivatives and their salts (¹) with the exception of the substance under reference number 9a in this annex and substances under reference numbers 364, 1310 and 1313 in Annex II				Hair dye substance in oxidative hair dye products		(a) General use	<p>(a) To be printed on the label: The mixing ratio. ‘⚠️ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Contains phenylenediamines (toluenediamines). Do not use to dye eyelashes or eyebrows.’</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						(b) Professional use  For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 5 % calculated as free base	(b) To be printed on the label:  The mixing ratio.  'For professional use only  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary "black henna" tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary "black henna" tattoo in the past.  Contains phenylenediamines (toluenediamines).  Wear suitable gloves.'	

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
9a	1,4-Benzenediamine, 2-methyl-2,5-Diaminotoluene sulphate	Toluene-2,5-Diamine Toluene-2,5-Diamine sulfate (¹)	95-70-5 615-50-9	202-442-1 210-431-8	Hair dye substance in oxidative hair dye products		(a) General use	<p>(a) To be printed on the label: The mixing ratio.</p> <p>‘⚠️ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Contains phenylenediamines (toluenediamines).</p> <p>Do not use to dye eyelashes or eyebrows.’</p>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						(b) Professional use For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2 % (calculated as free base) or 3,6 % (calculated as sulfate salt)	(b) To be printed on the label: The mixing ratio. 'For professional use only' ⚠ Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary "black henna" tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary "black henna" tattoo in the past. Contains phenylenediamines (toluenediamines). Wear suitable gloves.'	

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
10								
<b>▼B</b>								
11	Dichlorophen	Dichlorophen	97-23-4	202-567-1		0,5 %		Contains Dichlorophen
►M4 12	Hydrogen peroxide and other compounds or mixtures that release hydrogen peroxide, including carbamide peroxide and zinc peroxide	Hydrogen peroxide	7722-84-1	231-765-0	(a) Hair products  ►M4 (b) Skin products  ►M4 (c) Nail hardening products  (d) Oral products, including mouth rinse, tooth paste and tooth whitening or bleaching products	(a) 12 % of H <sub>2</sub> O <sub>2</sub> (40 volumes), present or released ◀  (b) 4 % of H <sub>2</sub> O <sub>2</sub> , present or released ◀  (c) 2 % of H <sub>2</sub> O <sub>2</sub> , present or released  (d) ≤ 0,1 % of H <sub>2</sub> O <sub>2</sub> , present or released		►M4 For (a) and (f): Wear suitable gloves  For (a) (b) (c) and (e):  Contains hydrogen peroxide.  Avoid contact with eyes.  Rinse immediately if product comes into contact with them. ◀

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					<p>(e) Tooth whitening or bleaching products</p> <p>►M4 (f) Products intended for eyelashes</p>	<p>(e) &gt; 0,1 % ≤ 6 % of H<sub>2</sub>O<sub>2</sub>, present or released</p> <p>(f) 2 % of H<sub>2</sub>O<sub>2</sub>, present or released</p>	<p>(e) To be only sold to dental practitioners. For each cycle of use, first use by dental practitioners as defined under Directive 2005/36/EC (14) or under their direct supervision if an equivalent level of safety is ensured. Afterwards to be provided to the consumer to complete the cycle of use.</p> <p>Not to be used on a person under 18 years of age. ◀</p> <p>(f) For professional use only ◀</p>	<p>►M4 (e) Concentration of H<sub>2</sub>O<sub>2</sub> present or released indicated in percentage.</p> <p>Not to be used on a person under 18 years of age.</p> <p>To be only sold to dental practitioners. For each cycle of use, the first use to be only done by dental practitioners or under their direct supervision if an equivalent level of safety is ensured.</p> <p>Afterwards to be provided to the consumer to complete the cycle of use. ◀</p> <p>►M4 (f) To be printed on the label:</p> <p>'For professional use only.'</p> <p>Avoid contact with eyes.</p> <p>Rinse eyes immediately if product comes into contact with them.</p> <p>Contains hydrogen peroxide.' ◀</p>

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
13	Formaldehyde <sup>(2)</sup>	Formaldehyde	50-00-0	200-001-8	Nail hardening products	5 % (as formaldehyde)	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	Protect cuticles with grease or oil Contains formaldehyde <sup>(3)</sup>
<b>▼M1</b>								
14	Hydroquinone	Hydroquinone	123-31-9	204-617-8	Artificial nail systems	0,02 % (after mixing for use)	Professional use only	— For professional use only — Avoid skin contact — Read directions for use carefully
<b>▼B</b>								
15a	Potassium or sodium hydroxide	Potassium hydroxide/ sodium hydroxide	1310-58-3/ 1310-73-2	215-181-3/ 215-185-5	(a) Nail cuticle solvent  (b) Hair straightener  (c) pH adjuster for depilatories	(a) 5 % <sup>(4)</sup>  2 % <sup>(4)</sup>  4,5 % <sup>(4)</sup>  (c) pH < 12,7		(a) Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children  Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children  For professional use only Avoid contact with eyes Can cause blindness  (c) Keep out of reach of children Avoid contact with eyes

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(d) Other uses as pH adjuster		(d) pH < 11	
15b	Lithium hydroxide	Lithium hydroxide	1310-65-2	215-183-4	(a) Hair straighteners	2 % <sup>(5)</sup>	General use	(a) Contains alkali Avoid contact with eyes Can cause blindness Keep out of reach of children
					(b) pH adjuster for depilatories	4,5 % <sup>(5)</sup>	Professional use pH < 12,7	Avoid contact with eyes Can cause blindness  (b) Contains alkali Keep out of reach of children Avoid contact with eyes
					(c) Other uses as pH adjuster (for rinse-off products only)		pH < 11	
15c	Calcium hydroxide	Calcium hydroxide	1305-62-0	215-137-3	(a) Hair straighteners containing two components: calcium hydroxide and a guanidine salt	(a) 7 % (as calcium hydroxide)		(a) Contains alkali Avoid contact with eyes Keep out of reach of children Can cause blindness

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) pH adjuster for depilatories  (c) Other uses (e.g. pH adjuster, processing aid)	(b) pH < 12,7  (c) pH < 11		(b) Contains alkali Keep out of reach of children Avoid contact with eyes
<b>▼M3</b>	16	1-Naphthalenol	1-Naphthol	90-15-3	201-969-4	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 %	To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.

**▼M3**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								Do not colour your hair if: <ul style="list-style-type: none"><li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li><li>— you have ever experienced any reaction after colouring your hair,</li><li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li></ul>
<b>▼B</b>								
17	Sodium nitrite	Sodium nitrite	7632-00-0	231-555-9	Rust inhibitor	0,2 %	Not to be used with secondary and/or tertiary amines or other substances forming nitrosamines	
18	Nitromethane	Nitromethane	75-52-5	200-876-6	Rust inhibitor	0,3 %		
19	Moved or deleted							
20	Moved or deleted							
21	Cinchonan-9-ol, 6'-methoxy-, (8.alpha., 9R)- and its salts	Quinine	130-95-0	205-003-2	(a) Hair rinse-off products	(a) 0,5 % (as quinine base)		

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair leave-on products	(b) 0,2 % (as quinine base)		
<b>▼M3</b>	<b>►M4 22</b>	1,3-benzenediol	Resorcinol	108-46-3	203-585-2	(a) Hair dye substance in oxidative hair dye products	For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,25 % ◀	<b>►M4</b> (a) To be printed on the label:  The mixing ratio.  ‘▲ Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Product-s intended for colouring eyelash-es		(b) For professional use only. ◀	<ul style="list-style-type: none"> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Contains resorcinol.</p> <p>Rinse hair well after application.</p> <p>Rinse eyes immediately if product comes into contact with them.</p> <p>Do not use to dye eyelashes or eyebrows.’ ◀</p> <p>►M4 (b) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘For professional use only.</p> <p>Contains resorcinol.</p> <p>⚠ This product can cause severe allergic reactions.</p> <p>Read and follow instructions.</p>

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (c) Hair lotions and shampoos	(c) 0,5 % ◀		<p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase the risk of allergy.</p> <p>Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them.’ ◀</p> <p>►M4 (c) Contains resorcinol. ◀</p>

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
23	(a) Alkali sulphides				(a) Depilatories	(a) 2 % (as sulphur)	pH ≤ 12,7	(a) (b) Keep out of reach of children Avoid contact with eyes
	(b) Alkaline earth sulphides				(b) Depilatories	(b) 6 % (as sulphur)		
24	Water-soluble zinc salts with the exception of zinc 4-hydroxy-benzenesulphonate (entry 25) and zinc pyrithione (entry 101 and Annex V, entry 8)	Zinc acetate, zinc chloride, zinc gluconate, zinc glutamate				1 % (as zinc)		
25	Zinc 4-hydroxy-benzene sulphonate	Zinc phenolsulphonate	127-82-2	204-867-8	Deodorants, anti-perspirants and astringent lotions	6 % (as % anhydrous substance)		Avoid contact with eyes

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
26	Ammonium mono-fluorophosphate	Ammonium Monofluorophosphate	20859-38-5 / 66115-19-3	— / —	Oral products	0,15 % calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains ammonium monofluorophosphate. For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
27	Disodium fluorophosphate	Sodium Mono-fluorophosphate	10163-15-2 / 7631-97-2	233-433-0 / 231-552-2	Oral products	0,15 % calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains sodium monofluorophosphate. For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contraindicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
28	Dipotassium fluorophosphate	Potassium Monofluorophosphate	14104-28-0	237-957-0	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'  Contains potassium monofluorophosphate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
29	Calcium fluorophosphate	Calcium Mono-fluorophosphate	7789-74-4	232-187-1	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains calcium monofluorophosphate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
30	Calcium fluoride	Calcium Fluoride	7789-75-5	232-188-7	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains calcium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
31	Sodium fluoride	Sodium Fluoride	7681-49-4	231-667-8	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains sodium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
32	Potassium fluoride	Potassium Fluoride	7789-23-3	232-151-5	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains potassium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
33	Ammonium fluoride	Ammonium Fluoride	12125-01-8	235-185-9	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains ammonium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
34	Aluminium fluoride	Aluminum Fluoride	7784-18-1	232-051-1	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		‘Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.’  Contains aluminium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. ‘for adult use only’) the following labelling is obligatory:  ‘Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
35	Tin difluoride	Stannous Fluoride	7783-47-3	231-999-3	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains stannous fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
36	Hexadecyl ammonium fluoride	Cetylamine Hydrofluoride	3151-59-5	221-588-7	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains Cetylamine hydrofluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								‘Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.’
37	3-(N-Hexadecyl-N-2-hydroxyethylammonio)propylbis(2-hydroxyethyl) ammonium difluoride	—	—	—	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains 3-(N-Hexadecyl-N-2-hydroxyethylammonio) propylbis(2-hydroxyethyl) ammonium difluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. ‘for adult use only’) the following labelling is obligatory:  ‘Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
38	N,N',N'-Tris(polyoxyethylene)-N-hexadecylpropylenediamine dihydrofluoride	—	—	—	Oral products	0,15 % calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains N,N',N'-tris(polyoxyethylene)-N-hexadecylpropylenediamine dihydrofluoride. For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory: 'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
39	9-Octadecen-1-amine hydrofluoride	Octadecenyl-Ammonium Fluoride	36505-83-6	—	Oral products	0,15 % calculated as F. When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains octadecenyl-ammonium fluoride. For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
40	Disodium hexafluorosilicate	Sodium Fluorosilicate	16893-85-9	240-934-8	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'  Contains sodium fluorosilicate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
41	Dipotassium hexafluorosilicate	Potassium Fluorosilicate	16871-90-2	240-896-2	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains potassium fluorosilicate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'
42	Ammonium hexafluorosilicate	Ammonium Fluorosilicate	16919-19-0	240-968-3	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains ammonium fluorosilicate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
43	Magnesium hexafluorosilicate	Magnesium Fluorosilicate	16949-65-8	241-022-2	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains magnesium fluorosilicate.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
44	1,3-Bis (hydroxy-methyl)imidazolidine-2-thione	Dimethylol ethylene thiourea	15534-95-9	239-579-1	(a) Hair- products (b) Nail- products	(a) 2 % (b) 2 %	(a) Not to be used in aerosol dispensers (sprays) (b) pH < 4	Contains Dimethylol ethylene thiourea
45	Benzyl alcohol <sup>(6)</sup>	Benzyl Alcohol	100-51-6	202-859-9	(a) Solvent (b) Fragrance/ aromatic compositions/ their raw materials		For purposes other than inhibiting the development of microorganisms in the product. This purpose has to be apparent from the presentation of the product.  (b) The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products  — 0,01 % in rinse-off products.	

**▼M1****▼C1**

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
46	6-Methylcoumarin	6-Methylcoumarin	92-48-8	202-158-8	Oral products	0,003 %		
47	3-Pyridinemethanol hydrofluoride	Nicomethanol Hydrofluoride	62756-44-9	—	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %	Contains nicomethanol hydrofluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
48	Silver nitrate	Silver nitrate	7761-88-8	231-853-9	Only for colouring eyelashes and eyebrows	4 %		Contains silver nitrate Rinse eyes immediately if product comes into contact with them
49	Selenium sulfide	Selenium disulphide	7488-56-4	231-303-8	Antidandruff shampoos	1 %		Contains selenium disulphide Avoid contact with eyes or damaged skin
50	Aluminium zirconium chloride hydroxide complexes  $Al_xZr(OH)_yCl_z$ and the aluminium zirconium chloride hydroxide glycine complexes				Anti-perspirants	20 % (as anhydrous aluminium zirconium chloride hydroxide)  5,4 % (as zirconium)	1. The ratio of the number of aluminium atoms to that of zirconium atoms must be between 2 and 10  2. The ratio of the number of (Al + Zr) atoms to that of chlorine atoms must be between 0,9 and 2,1  3. Not to be used in aerosol dispensers (sprays)	Do not apply to irritated or damaged skin

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
51	Quinolin-8-ol and bis (8-hydroxy-quinolium) sulphate	Oxyquinoline and oxyquinoline sulfate	148-24-3/ 134-31-6	205-711-1/ 205-137-1	Stabilizer for hydrogen peroxide in rinse-off hair-products  Stabilizer for hydrogen peroxide in leave-on hair products	0,3 % (as base)  0,03 % (as base)		
52	Methanol	Methyl alcohol	67-56-1	200-659-6	Denaturant for ethanol and isopropyl alcohol	5 % (as a % ethanol and isopropyl alcohol)		
53	(1-Hydroxyethylidene-diphosphonic acid) and its salts	Etidronic acid	2809-21-4	220-552-8	(a) Hair- product  (b) Soap	1,5 % (as etidronic acid)  0,2 % (as etidronic acid)		

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
54	1-Phenoxypropan-2-ol <sup>(7)</sup>	Phenoxyisopropanol	770-35-4	212-222-7	Use only in rinse-off products  Not to be used in oral products	2 %	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	
55	Moved or deleted							
<b>▼M1</b>	56	Magnesium fluoride	Magnesium Fluoride	7783-40-6	Oral products	0,15 % calculated as F.  When mixed with other fluorine compounds permitted under this Annex, total F concentration must not exceed 0,15 %		Contains magnesium fluoride.  For any toothpaste with compounds containing fluorine in a concentration of 0,1 to 0,15 % calculated as F unless it is already labelled as contra-indicated for children (e.g. 'for adult use only') the following labelling is obligatory:  'Children of 6 years and younger: use a pea-sized amount for supervised brushing to minimise swallowing. In case of intake of fluoride from other sources consult a dentist or doctor.'

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
57	Strontium chloride hexahydrate	Strontium chloride	10476-85-4	233-971-6	(a) Oral products  (b) Shampoo and face products	3,5 % (as strontium). When mixed with other permitted strontium compounds the total strontium content must not exceed 3,5 %  2,1 % (as strontium). When mixed with other permitted strontium compounds the total strontium content must not exceed 2,1 %		Contains strontium chloride  Frequent use by children is not advisable

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
58	Strontium acetate hemihydrate	Strontium acetate	543-94-2	208-854-8	Oral products	3,5 % (as strontium). When mixed with other permitted strontium compounds the total strontium content must not exceed 3,5 %		Contains strontium acetate Frequent use by children is not advisable
59	Talc: Hydrated magnesium silicate	Talc	14807-96-6	238-877-9	(a) Powdery products intended to be used for children under 3 years of age  (b) Other products			(a) Keep powder away from children's nose and mouth
60	Fatty acid dialkylamides and dialkanolamides					Maximum secondary amine content: 0,5 %	— Not to be used with nitrosating systems — Maximum secondary amine content: 5 % (applies to raw materials) — Maximum nitrosamine content: 50 µg/kg — Keep in nitrite-free containers	

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
61	Monoalkylamines, monoalkanolamines and their salts					Maximum secondary amine content: 0,5 %	<ul style="list-style-type: none"> <li>— Not to be used with nitrosating systems</li> <li>— Minimum purity: 99 %</li> <li>— Maximum secondary amine content: 0,5 % (applies to raw materials)</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
62	Trialkylamines, trialkanolamines and their salts				(a) Leave-on products  (b) Rinse-off products	(a) 2,5 %	<ul style="list-style-type: none"> <li>(a) (b)</li> <li>— Not to be used with nitrosating systems</li> <li>— Minimum purity: 99 %</li> <li>— Maximum secondary amine content: 0,5 % (applies to raw materials)</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
63	Strontium hydroxide	Strontium hydroxide	18480-07-4	242-367-1	pH adjuster for depilatories	3,5 % (as strontium)	pH ≤ 12,7	Keep out of reach of children Avoid contact with eyes
64	Strontium peroxide	Strontium peroxide	1314-18-7	215-224-6	Rinse-off hair products	4,5 % (as strontium)	All products must meet the hydrogen peroxide release requirements Professional use	Avoid contact with eyes Rinse eyes immediately if product comes into contact with them For professional use only Wear suitable gloves
65	Benzalkonium chloride, bromide and saccharinate (8)	Benzalkonium bromide	91080-29-4	293-522-5	Rinse-off hair (head) products	3 % (as benzalkonium chloride)	In the final products the concentrations of benzalkonium chloride, bromide and saccharinate with an alkyl chain of C <sub>14</sub> , or less must not exceed 0,1 % (as benzalkonium chloride)  For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	Avoid contact with eyes
		Benzalkonium chloride	63449-41-2/ 68391-01-5/ 68424-85-1/ 85409-22-9	264-151-6/ 269-919-4/ 270-325-2/ 287-089-1				
		Benzalkonium saccharinate	68989-01-5	273-545-7				

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
66	Polyacrylamides				(a) Body- leave-on products  (b) Other products		(a) Maximum residual acrylamide content 0,1 mg/kg  (b) Maximum residual acrylamide content 0,5 mg/kg	
67	2-Benzylidene-heptanal	Amyl cinnamal	122-40-7	204-541-5			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products  — 0,01 % in rinse-off products	
68								

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
69	Cinnamyl alcohol	Cinnamyl alcohol	104-54-1	203-212-3			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	
70	3,7-Dimethyl-2,6-octadienal	Citral	5392-40-5	226-394-6			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
71	Phenol, 2-methoxy-4-(2-propenyl)	Eugenol	97-53-0	202-589-1			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	
<b>▼M1</b>								
72	7-Hydroxycitronellal	Hydroxycitronellal	107-75-5	203-518-7	(a) Oral products  (b) Other products	(b) 1,0 %	<p>(a) (b)</p> <p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
73	Phenol, 2-methoxy-4-(1-propenyl)	Isoeugenol	97-54-1/ 5932-68-3	202-590-7/ 227-678-2	(a) Oral products  (b) Other products	(b) 0,02 %	(a) (b)  The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products  — 0,01 % in rinse-off products	
74	2-Pentyl-3-phenylprop-2-en-1-ol	Amylcinnamyl alcohol	101-85-9	202-982-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products  — 0,01 % in rinse-off products	

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## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
75	Benzyl salicylate	Benzyl salicylate	118-58-1	204-262-9			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	
76	2-Propenal, 3-phenyl-	Cinnamal	104-55-2	203-213-9			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
77	2H-1-Benzopyran-2-one	Coumarin	91-64-5	202-086-7			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	
78	2,6-Octadien-1-ol, 3,7-dimethyl-, (2E)-	Geraniol	106-24-1	203-377-1			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
79	3 and 4-(4-Hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	Hydroxy-isohexyl 3-cyclohexene carboxaldehyde	51414-25-6/ 31906-04-4	257-187-9/ 250-863-4			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	
80	4-Methoxybenzyl alcohol	Anise alcohol	105-13-5	203-273-6			<p>The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:</p> <ul style="list-style-type: none"> <li>— 0,001 % in leave-on products</li> <li>— 0,01 % in rinse-off products</li> </ul>	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
81	2-Propenoic acid, 3-phenyl-, phenylmethyl ester	Benzyl cinnamate	103-41-3	203-109-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
82	2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-	Farnesol	4602-84-0	225-004-1			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
83	2-(4-tert-Butylbenzyl)pro-pionaldehyde	Butylphenyl methylpropional	80-54-6	201-289-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						— 0,001 % in leave-on products — 0,01 % in rinse-off products		
84	1,6-Octadien-3-ol, 3,7-dimethyl-	Linalool	78-70-6	201-134-4		The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products — 0,01 % in rinse-off products		
85	Benzyl benzoate	Benzyl benzoate	120-51-4	204-402-9		The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:  — 0,001 % in leave-on products — 0,01 % in rinse-off products		

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
86	Citronellol/(±) -3,7-dimethyloct-6-en-1-ol	Citronellol	106-22-9/ 26489-01-0	203-375-0/ 247-737-6			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
87	2-Benzylideneoctanal	Hexyl cinnamal	101-86-0	202-983-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
88	d-Limonene(4R)-1-Methyl-4-(1-methylethethyl) cyclohexene	Limonene	5989-27-5	227-813-5			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
						— 0,01 % in rinse-off products Peroxide value less than 20 mmoles/L ( <sup>15</sup> )		
89	Methyl Oct-2-ynoate; Methyl heptine carbonate	Methyl Octynoate	2-111-12-6	203-836-6	(a) Oral products  (b) Other products	(b) 0,01 % when used alone When present in combination with methyl octine carbonate, the combined level in the finished product shall not exceed 0,01 % (of which methyl octine carbonate shall not be more than 0,002 %)	(a) (b) The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
90	3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	alpha-Isomethyl ionone	127-51-5	204-846-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
91	Oak moss extract	Evernia prunastri extract	90028-68-5	289-861-3			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds: — 0,001 % in leave-on products — 0,01 % in rinse-off products	
92	Treemoss extract	Evernia furfuracea extract	90028-67-4	289-860-8			The presence of the substance must be indicated in the list of ingredients referred to in Article 19(1)(g) when its concentration exceeds:	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
							— 0,001 % in leave-on products — 0,01 % in rinse-off products	
93	2,4-Pyrimidine-diamine, 3-oxide	Diaminopyrimidine oxide	74638-76-9	—	Hair products	1,5 %		
94	Dibenzoyl peroxide	Benzoyl peroxide	94-36-0	202-327-6	Artificial nail systems	0,7 % (after mixing for use)	Professional use	For professional use only Avoid skin contact Read directions for use carefully
95	Hydroquinone methylether/ Mequinol	p-Hydroxyanisol	150-76-5	205-769-8	Artificial nail systems	0,02 % (after mixing for use)	Professional use	For professional use only Avoid skin contact Read directions for use carefully
96	5-tert-Butyl-2,4,6-trinitro-m-xylene	Musk xylene	81-15-2	201-329-4	All cosmetic products, with the exception of oral products	(a) 1,0 % in fine fragrance (b) 0,4 % in eau de toilette (c) 0,03 % in other products		

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
97	4'-tert-Butyl-2',6'-dimethyl-3',5'-dinitroacetophenone	Musk ketone	81-14-1	201-328-9	All cosmetic products, with the exception of oral products	(a) 1,4 % in fine fragrance (b) 0,56 % in eau de toilette (c) 0,042 % in other products		
98	Benzoic acid, 2-hydroxy- <sup>(9)</sup>	Salicylic acid	69-72-7	200-712-3	(a) Rinse-off hair products (b) Other products	(a) 3,0 % (b) 2,0 %	Not to be used in preparations for children under 3 years of age, except for shampoos For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	Not to be used for children under 3 years of age <sup>(10)</sup>
99	Inorganic sulfites and bisulfites <sup>(11)</sup>				(a) Oxidative hair dye products  (b) Hair straightening products	(a) 0,67 % (as free SO <sub>2</sub> )  (b) 6,7 % (as free SO <sub>2</sub> )	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	

## ▼B

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
					(c) Self-tanning products for the face  (d) Other self-tanning products	(c) 0,45 % (as free SO <sub>2</sub> )  (d) 0,40 % (as free SO <sub>2</sub> )			
100	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl)urea <sup>(12)</sup>	Triclocarban	101-20-2	202-924-1	Rinse-off products	1,5 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene ≤ 1 ppm 3,3',4,4'-Tetrachloroazobenzene ≤ 1 ppm For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product		
101	Pyrithione zinc <sup>(13)</sup>	Zinc pyrithione	13463-41-7	236-671-3	Leave-on hair products	0,1 %	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product		
102	1,2-Dimethoxy-4-(2-propenyl)-benzene	Methyl eugenol	93-15-2	202-223-0	Fine fragrance  Eau de toilette	0,01 %  0,004 %			

**▼B**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					Fragrance cream  Other leave-on products and oral products  Rinse-off products	0,002 %  0,0002 %  0,001 %		
<b>▼M1</b>								
103	<i>Abies alba</i> oil and extract	Abies Alba Cone Oil; Abies Alba Cone Extract; Abies Alba Leaf Oil; Abies Alba Leaf Cera; Abies Alba Needle Extract; Abies Alba Needle Oil	90028-76-5	289-870-2			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
104								
105	<i>Abies pectinata</i> oil and extract	Abies Pectinata Oil;	92128-34-2	295-728-0			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		Abies Pectinata Leaf Extract; Abies Pectinata Needle Extract Abies Pectinata Needle Oil						
106	<i>Abies sibirica</i> oil and extract	Abies Sibirica Oil; Abies Sibirica Needle Extract Abies Sibirica Needle Oil	91697-89-1	294-351-9			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
107	<i>Abies balsamea</i> oil and extract	Abies Balsamea Needle Oil; Abies Balsamea Needle Extract Abies Balsamea Resin; Abies Balsamea Extract	85085-34-3	285-364-0			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		Abies Balsamea Balsam Extract						
108	<i>Pinus mugo pumilio</i> oil and extract	Pinus Mugo Pumilio Twig Leaf Extract; Pinus Mugo Pumilio Twig Leaf Oil	90082-73-8	290-164-1			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
109	<i>Pinus mugo</i> oil and extract	Pinus Mugo Leaf Oil Pinus Mugo Twig Leaf Extract Pinus Mugo Twig Oil	90082-72-7	290-163-6			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
110	<i>Pinus sylvestris</i> oil and extract	Pinus Sylvestris Oil; Pinus Sylvestris Leaf extract; Pinus Sylvestris Leaf Oil; Pinus Sylvestris Leaf Water;	84012-35-1	281-679-2			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
		Pinus Sylvestris Cone Extract; Pinus Sylvestris Bark Extract; Pinus Sylvestris Bud Extract Pinus Sylvestris Twig Leaf Extract Pinus Sylvestris twig Leaf Oil							
111	<i>Pinus nigra</i> oil and extract	Pinus Nigra Bud/Needle Extract Pinus Nigra Twig Leaf Extract Pinus Nigra Twig Leaf Oil	90082-74-9	290-165-7			Peroxide value less than 10 mmoles/L <sup>(15)</sup>		
112	<i>Pinus palustris</i> oil and extract	Pinus Palustris Leaf Extract; Pinus Palustris Oil	97435-14-8 / 8002-09-3	306-895-7 / —			Peroxide value less than 10 mmoles/L <sup>(15)</sup>		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		Pinus Palustris Twig Leaf Extract  Pinus Palustris Twig Leaf Oil						
113	<i>Pinus pinaster</i> oil and extract	Pinus Pinaster Twig Leaf Oil;  Pinus Pinaster Twig Leaf Extract	90082-75-0	290-166-2			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
114	<i>Pinus pumila</i> oil and extract	Pinus Pumila Twig Leaf Extract  Pinus Pumila Twig Leaf Oil	97676-05-6	307-681-6			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
115	<i>Pinus</i> species oil and extract	Pinus Strobus Bark Extract;  Pinus Strobus Cone Extract;  Pinus Strobus Twig Oil  Pinus Species Twig Leaf Extract  Pinus Species Twig Leaf Oil	94266-48-5	304-455-9			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
116	<i>Pinus cembra</i> oil and extract	Pinus Cembra Twig Leaf Oil Pinus Cembra Twig Leaf Extract	92202-04-5	296-036-1			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
117	<i>Pinus cembra</i> extract acetylated	Pinus Cembra Twig Leaf Extract Acetylated	94334-26-6	305-102-1			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
118	<i>Picea mariana</i> oil and extract	Picea Mariana Leaf Extract; Picea Mariana Leaf Oil	91722-19-9	294-420-3			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
119	<i>Thuja occidentalis</i> oil and extract	Thuja Occidentalis Bark Extract; Thuja Occidentalis Leaf; Thuja Occidentalis Leaf Extract; Thuja Occidentalis Leaf Oil; Thuja Occidentalis Stem Extract;	90131-58-1	290-370-1			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		Thuja Occidentalnis Stem Oil; Thuja Occidentalnis Root Extract						
120								
121	3-Carene; 3,7,7-Trimethyl-bicyclo[4.1.0]hept-3-ene (isodiprene)		13466-78-9	236-719-3			Peroxide value less than 10 mmoles/L ( <sup>15</sup> )	
122	Cedrus atlantica oil and extract	Cedrus Atlantica Bark Extract; Cedrus Atlantica Bark Oil; Cedrus Atlantica Bark Water; Cedrus Atlantica Leaf Extract; Cedrus Atlantica Wood Extract; Cedrus Atlantica Wood Oil	92201-55-3	295-985-9			Peroxide value less than 10 mmoles/L ( <sup>15</sup> )	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
123	<i>Cupressus sempervirens</i> oil and extract	Cupressus Sempervirens Leaf Oil; Cupressus Sempervirens Bark Extract; Cupressus Sempervirens Cone Extract; Cupressus Sempervirens Fruit Extract; Cupressus Sempervirens Leaf Extract; Cupressus Sempervirens Leaf/Nut/Stem Oil; Cupressus Sempervirens Leaf/Stem Extract; Cupressus Sempervirens Leaf Water; Cupressus Sempervirens Seed Extract;	84696-07-1	283-626-9			Peroxide value less than 10 mmoles/L <sup>(15)</sup>		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		Cupressus Semperfervirens Oil						
124	Turpentine gum ( <i>Pinus</i> spp.)	Turpentine	9005-90-7	232-688-5			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
125	Turpentine oil and rectified oil	Turpentine	8006-64-2	232-350-7			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
126	Turpentine, steam distilled ( <i>Pinus</i> spp.)	Turpentine	8006-64-2	232-350-7			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
127	Terpene alcohols acetates	Terpene alcohols acetates	69103-01-1	273-868-3			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
128	Terpene hydro-carbons	Terpene hydro-carbons	68956-56-9	273-309-3			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
129	Terpenes and terpenoids with the exception of limonene (d-, l-, and dl-isomers) listed under reference numbers 88, 167 and 168 of this Annex III	Terpenes and terpenoids	65996-98-7	266-034-5			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	
130	Terpenes and terpenoids		68917-63-5	272-842-9			Peroxide value less than 10 mmoles/L <sup>(15)</sup>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
131	alpha-Terpinene; p-Mentha-1,3-diene	alpha-Terpinene	99-86-5	202-795-1			Peroxide value less than 10 mmoles/L (15)	
132	gamma-Terpinene; p-Mentha-1,4-diene	gamma-Terpinene	99-85-4	202-794-6			Peroxide value less than 10 mmoles/L (15)	
133	Terpinolene; p-Mentha-1,4(8)-diene	Terpinolene	586-62-9	209-578-0			Peroxide value less than 10 mmoles/L (15)	
134	1,1,2,3,3,6-Hexamethylindan-5-yl methyl ketone	Acetyl Hexamethyl indan	15323-35-0	239-360-0	(a) Leave-on products (b) Rinse-off products	(a) 2 %		
135	Allyl butyrate; 2-Propenyl Butanoate	Allyl butyrate	2051-78-7	218-129-8			Level of free allyl alcohol in the ester shall be less than 0,1 %	
136	Allyl cinnamate; 2-Propenyl 3-Phenyl-2-propenoate	Allyl cinnamate	1866-31-5	217-477-8			Level of free allyl alcohol in the ester shall be less than 0,1 %	
137	Allyl cyclohexylacetate; 2-Propenyl Cyclohexane acetate	Allyl cyclohexylacetate	4728-82-9	225-230-0			Level of free allyl alcohol in the ester shall be less than 0,1 %	
138	Allyl cyclohexylpropionate; 2-Propenyl 3-Cyclohexanopropanoate	Allyl cyclohexylpropionate	2705-87-5	220-292-5			Level of free allyl alcohol in the ester shall be less than 0,1 %	
139	Allyl heptanoate; 2-Propenyl heptanoate	Allyl heptanoate	142-19-8	205-527-1			Level of free allyl alcohol in the ester shall be less than 0,1 %	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
140	Allyl hexanoate	Allyl Caproate	123-68-2	204-642-4			Level of free allyl alcohol in the ester shall be less than 0,1 %	
141	Allyl isovalerate; 2-Propenyl 3-Methylbutanoate	Allyl isovalerate	2835-39-4	220-609-7			Level of free allyl alcohol in the ester shall be less than 0,1 %	
142	Allyl octanoate; 2-Allyl caprylate	Allyl octanoate	4230-97-1	224-184-9			Level of free allyl alcohol in the ester shall be less than 0,1 %	
143	Allyl phenoxyacetate; 2-Propenyl Phenoxyacetate	Allyl phenoxyacetate	7493-74-5	231-335-2			Level of free allyl alcohol in the ester shall be less than 0,1 %	
144	Allyl phenylacetate; 2-Propenyl Benzenoacetate	Allyl phenylacetate	1797-74-6	217-281-2			Level of free allyl alcohol in the ester shall be less than 0,1 %	
145	Allyl 3,5,5-trimethylhexanoate	Allyl 3,5,5-trimethylhexanoate	71500-37-3	275-536-3			Level of free allyl alcohol in the ester shall be less than 0,1 %	
146	Allyl cyclohexyloxyacetate	Allyl cyclohexyloxyacetate	68901-15-5	272-657-3			Level of free allyl alcohol in the ester shall be less than 0,1 %	
147	Allyl isoamylxyacetate	Isoamyl Allylglycolate	67634-00-8	266-803-5			Level of free allyl alcohol in the ester shall be less than 0,1 %	
148	Allyl 2-methylbutoxyacetate	Allyl 2-methylbutoxyacetate	67634-01-9	266-804-0			Level of free allyl alcohol in the ester shall be less than 0,1 %	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
149	Allyl nonanoate	Allyl nonanoate	7493-72-3	231-334-7			Level of free allyl alcohol in the ester shall be less than 0,1 %	
150	Allyl propionate	Allyl propionate	2408-20-0	219-307-8			Level of free allyl alcohol in the ester shall be less than 0,1 %	
151	Allyl trimethylhexanoate	Allyl trimethylhexanoate	68132-80-9	268-648-9			Level of free allyl alcohol in the ester shall be less than 0,1 %	
151a	Allyl phenethyl ether	Allyl phenethyl ether	14289-65-7	238-212-2			Level of free allyl alcohol in the ether shall be less than 0,1 %	
152	Allyl heptine carbonate (allyl oct-2-ynoate)	Allyl heptine carbonate	73157-43-4	277-303-1		0,002 %	This material shall not be used in combination with any other 2-alkynoic acid ester (e.g. methyl heptine carbonate)	
153	Amylcyclopen-tenone; 2-Pentylcyclopen-2-en-1-one	Amylcyclopen-tenone	25564-22-1	247-104-4		0,1 %		
154	<i>Myroxylon balsamum</i> var. <i>pereirae</i> ; extracts and distillates; Balsam Peru oil, absolute and anhydrol (Balsam Oil Peru)		8007-00-9	232-352-8		0,4 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
155	4- <i>tert</i> -Butyldihydro-cinnamaldehyde; 3-(4- <i>tert</i> -Butylphenyl)propionaldehyde	4- <i>tert</i> -Butyldihydro-cinnamaldehyde	18127-01-0	242-016-2		0,6 %		
156	<i>Cuminum cyminum</i> oil and extract	Cuminum Cyminum Fruit Oil; Cuminum Cyminum Fruit Extract; Cuminum Cyminum Seed Oil; Cuminum Cyminum Seed Extract; Cuminum Cyminum Seed Powder	84775-51-9	283-881-6	(a) Leave-on products  (b) Rinse-off products	(a) 0,4 % of Cumin oil		
157	cis-Rose ketone-1 (1 <sup>6</sup> ); (Z)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-butene-1-one (cis-alpha-Damascone)	Alpha-Damascone	23726-94-5 / 43052-87-5	245-845-8 / —	(a) Oral products  (b) Other products	(b) 0,02 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
158	trans-Rose ketone-2 ( <sup>16</sup> ); (E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one (trans-beta-Damascone)	trans-Rose ketone-2	23726-91-2	245-842-1	(a) Oral products  (b) Other products	(b) 0,02 %		
159	trans-Rose ketone-5 ( <sup>16</sup> ); (E)-1-(2,4,4-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (Isodamascone)	trans-Rose ketone-5	39872-57-6	254-663-8		0,02 %		
160	Rose ketone-4 ( <sup>16</sup> ); 1-(2,6,6-Trimethylcyclohexa-1,3-dien-1-yl)-2-buten-1-one (Damascenone)	Rose ketone-4	23696-85-7	245-833-2	(a) Oral products  (b) Other products	(b) 0,02 %		
161	Rose ketone-3 ( <sup>16</sup> ); 1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (Delta-Damascone)	Delta-Damascone	57378-68-4	260-709-8	(a) Oral products  (b) Other products	(b) 0,02 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
162	cis-Rose ketone-2 (1 <sup>6</sup> ); (Z)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one (cis-beta-Damascone)	cis-Rose ketone-2	23726-92-3	245-843-7	(a) Oral products (b) Other products	(b) 0,02 %		
163	trans-Rose ketone-1 (3 <sup>9</sup> ); (E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one (trans-alpha-Damascone)	trans-Rose ketone-1	24720-09-0	246-430-4	(a) Oral products (b) Other products	(b) 0,02 %		
164	Rose ketone-5 (1 <sup>6</sup> ); 1-(2,4,4-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	Rose ketone-5	33673-71-1	251-632-0		0,02 %		
165	trans-Rose ketone-3 (1 <sup>6</sup> ); 1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one (trans-delta-Damascone)	trans-Rose ketone-3	71048-82-3	275-156-8	(a) Oral products (b) Other products	(b) 0,02 %		
166	trans-2-hexenal	trans-2-hexenal	6728-26-3	229-778-1	(a) Oral products (b) Other products	(b) 0,002 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
167	l-Limonene; (S)-p-Mentha-1,8-diene	Limonene	5989-54-8	227-815-6			Peroxide value less than 20 mmoles/L ( <sup>15</sup> )	
168	dl-Limonene (racemic); 1,8(9)-p-Menthadiene; p-Mentha-1,8-diene (Dipentene)	Limonene	138-86-3	205-341-0			Peroxide value less than 20 mmoles/L ( <sup>15</sup> )	
169	p-Mentha-1,8-dien-7-al	Perillaldehyde	2111-75-3	218-302-8	(a) Oral products  (b) Other products	(b) 0,1 %		
170	Isobergamate; Mentadiene-7-methyl formate	Isobergamate	68683-20-5	272-066-0		0,1 %		
171	Methoxy dicyclopentadiene carbox-aldehyde; Octahydro-5-methoxy-4,7-Methano-1H-indene-2-carboxaldehyde	Scentenal	86803-90-9	—		0,5 %		
172	3-Methylnon-2-enenitrile	3-Methylnon-2-enenitrile	53153-66-5	258-398-9		0,2 %		
173	Methyl octine carbonate; Methyl non-2-ynoate	Methyl octine carbonate	111-80-8	203-909-2	(a) Oral products			

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Other products	(b) 0,002 % when used alone.  When present in combination with methyl heptine carbonate, the combined level in the finished product shall not exceed 0,01 % (of which methyl octine carbonate shall not be more than 0,002 %)		
174	Amylvinylcarbinyl acetate; 1-Octen-3-yl acetate	Amylvinylcarbinyl acetate	2442-10-6	219-474-7	(a) Oral products  (b) Other products	(b) 0,3 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
175	Propylenephthalide; 3-Propylenephthalide	Propylenephthalide	17369-59-4	241-402-8	(a) Oral products (b) Other products	(b) 0,01 %		
176	Isocyclogeraniol; 2,4,6-Trimethyl-3-cyclohexene-1-methanol	Isocyclogeraniol	68527-77-5	271-282-2		0,5 %		
177	2-Hexylidene cyclopentanone	2-Hexylidene cyclopentanone	17373-89-6	241-411-7	(a) Oral products (b) Other products	(b) 0,06 %		
178	Methyl hepta-dienone; 6-Methyl-3,5-heptadien-2-one	Methyl hepta-dienone	1604-28-0	216-507-7	(a) Oral products (b) Other products	(b) 0,002 %		
179	p-methylhydrocinnamic aldehyde; Cresylpropionaldehyde; p-Methyl-dihydrocinnamaldehyde	p-methylhydrocinnamic aldehyde	5406-12-2	226-460-4		0,2 %		
180	<i>Liquidambar orientalis</i> oil and extract (styrax)	Liquidambar Orientalis Resin Extract; Liquidambar Orientalis Balsam Extract; Liquidambar Orientalis Balsam Oil	94891-27-7	305-627-6		0,6 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
181	<i>Liquidambar styraciflua</i> oil and extract (styrax)	Liquidambar Styraciflua Oil; Liquidambar Styraciflua Balsam Extract; Liquidambar Styraciflua Balsam Oil	8046-19-3 94891-28-8	232-458-4 305-628-1		0,6 %		
182	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8,-hexamethyl-2-naphthyl)ethan-1-one (AHTN)	Acetyl hexamethyl tetralin	21145-77-7 / 1506-02-1	244-240-6 / 216-133-4	All cosmetic products with the exception of oral products	(a) leave-on products: 0,1 % except: hydro-alcoholic products: 1 % fine fragrance: 2,5 % fragrance cream: 0,5 %  (b) rinse-off products: 0,2 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
183	<i>Commiphora erythrea</i> Engler var. <i>glabrescens</i> Engler gum extract and oil	Opopanax oil	93686-00-1	297-649-7		0,6 %		
184	<i>Opopanax chironium</i> resin		93384-32-8			0,6 %		
185	Benzene, methyl-	Toluene	108-88-3	203-625-9	Nail products	25 %		Keep out of reach of children To be used by adults only
186	2,2'-oxydiethanol Diethylene glycol (DEG)	Diethylene glycol	111-46-6	203-872-2	As traces in ingredients	0,1 %		
187	Diethylene glycol monobutyl ether (DEGBE)	Butoxydiglycol	112-34-5	203-961-6	Solvent in hair dye products	9 %	No use in aerosol dispensers (sprays)	
188	Ethylene glycol monobutyl ether (EGBE)	Butoxyethanol	111-76-2	203-905-0	(a) Solvent in oxidative hair dye products  (b) Solvent in non-oxidative hair dye products	(a) 4,0 %  (b) 2,0 %	(a) (b)  No use in aerosol dispensers (sprays)	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
189	Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate and aluminium lake (17); (CI 19140)	Acid Yellow 23; Acid Yellow 23 Aluminum lake	1934-21-0 / 12225-21-7	217-699-5 / 235-428-9	Hair dye substance in non-oxidative hair dye products	0,5 %		
190	Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl-[(3-sulfophenyl)methyl]-amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo, inner salts, disodium salt and its ammonium and aluminium salts (17); (CI 42090)	Acid Blue 9; Acid Blue 9 Ammonium Salt; Acid Blue 9 Aluminum Lake	3844-45-9 / 2650-18-2 / 68921-42-6	223-339-8 / 220-168-0 / 272-939-6	Hair dye substance in non-oxidative hair dye products	0,5 %		
191	Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate (17); (CI 16035)	Curry Red	25956-17-6	247-368-0	Hair dye substance in non-oxidative hair dye products	0,4 %		

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
192	Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and aluminium lake (¹⁷); (CI 16255)	Acid Red 18; Acid Red 18 Aluminum Lake	2611-82-7 / 12227-64-4	220-036-2 / 235-438-3	Hair dye substance in non-oxidative hair dye products	0,5 %		
193	Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonophenyl)xanthylium, sodium salt (¹⁷); (CI 45100)	Acid Red 52	3520-42-1	222-529-8	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 0,6 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 %.	(a) To be printed on the label: The mixing ratio. ‘⚠ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
194	Glyoxal	Glyoxal	107-22-2	203-474-9		100 mg/kg		
195	Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate ( <sup>17</sup> ); (CI 62045)	Acid Blue 62	4368-56-3	224-460-9;	Hair dye substance in non-oxidative hair dye products	0,5 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
196	Verbena absolute ( <i>Lippia citriodora</i> Kunth.)		8024-12-2	—		0,2 %		
197	Ethyl-N-alpha-dodecanoyl-L-arginate hydrochloride ( <sup>18</sup> )	Ethyl Lauroyl Arginate HCl	60372-77-2	434-630-6	<ul style="list-style-type: none"> <li>(a) soap</li> <li>(b) anti-dandruff shampoos</li> <li>(c) deodorants, not in form of spray</li> </ul>	0,8 %	For purposes other than inhibiting the development of micro-organisms in the product. This purpose has to be apparent from the presentation of the product	

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i

**▼M3**

198	2,2'-(4-Aminophenyl)iminobis-(ethanol) sulphate	N,N-bis(2-Hydroxyethyl)-p-Phenylenediamine Sulfate	54381-16-7	259-134-5	Hair dye substance in oxidative hair dye products	<p>After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,5 % (calculated as sulphate)</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	<p>To be printed on the label: The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
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## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
199	1,3-Benzenediol, 4-chloro-	4-Chlororesorcinol	95-88-5	202-462-0	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,5 %	<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
200	2,4,5,6-Tetraaminopyrimidine sulphate	Tetraaminopyrimidine Sulfate	5392-28-9	226-393-0	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 3,4 % (calculated as sulphate)  (b) 3,4 % (calculated as sulphate)		(a) To be printed on the label:  The mixing ratio.  ⚠ Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
201	Phenol, 2-Chloro-6-(ethylamino)-4-nitro-	2-Chloro-6-ethylamino-4-nitrophenol	131657-78-8	411-440-1	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 %  (b) 3,0 %	(a) and (b):  — Do not use with nitrosating agents  — Maximum nitrosamine content: 50 µg /kg  — Keep in nitrite-free containers	(a) To be printed on the label:  The mixing ratio.  ‘⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
202	See 226							

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
►M4 203	6-Methoxy-N2-methyl-2,3-pyridinediamine hydrochloride and dihydrochloride salt <sup>(17)</sup>	6-Methoxy-2-Methylamino-3-Aminopyridine HCl	90817-34-8 / 83732-72-3	- / 280-622-9	(a) Hair dye substance in oxidative hair dye products	For (a) and (c): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 0,68 % calculated as free base (1,0 % as dihydrochloride). ◀	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					<p>► <b>M4</b> (b) Hair dye substance in non-oxidative hair dye products</p> <p>► <b>M4</b> (c) Products intended for colouring eyelashes</p>	<p>(b) 0,68 % as free base (1,0 % as dihydrochloride)</p>	<p>For (a) (b) and (c):</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers ◀</li> </ul> <p>(c) For professional use only. ◀</p>	<p>► <b>M4</b> (b) Can cause allergic reaction ◀</p> <p>► <b>M4</b> (c) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘For professional use only.</p> <p>⚠ This product can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
									Temporary “black henna” tattoos may increase the risk of allergy. Eyelashes shall not be coloured if the consumer: <ul style="list-style-type: none"><li>— has a rash on the face or sensitive, irritated and damaged scalp,</li><li>— has experienced any reaction after colouring hair or eyelashes,</li><li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li></ul> Rinse eyes immediately if product comes into contact with them.’ ◀
204	2,3-Dihydro-1H-indole-5,6-diol and its hydrobromide salt <sup>(17)</sup>	Dihydroxy indoline Dihydroxy indoline HBr	29539-03-5 / 138937-28-7	— / 421-170-6	Hair dye substance in non-oxidative hair dye products	2,0 %		Can cause allergic reaction	
205	See 219								

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
▼M3	206	3-(2-Hydroxyethyl)-p-phenylenediammonium sulphate	Hydroxyethyl-p-Phenylene-diamine Sulfate	93841-25-9	298-995-1	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 % (calculated as sulphate)	To be printed on the label: The mixing ratio. ‘⚠ Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
207	1H-Indole-5,6-diol	Dihydroxy-indole	3131-52-0	412-130-9	(a) Hair dye substance in oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,5 %	(a) To be printed on the label: The mixing ratio. For (a) and (b): ‘⚠ Hair colorants can cause severe allergic reactions.	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 0,5 %		<p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
208	5-Amino-4-chloro-2-methylphenol hydrochloride	5-Amino-4-Chloro-o-Cresol HCl	110102-85-7		Hair dye substance in oxidative hair dye products		After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 % (calculated as hydrochloride)	To be printed on the label: The mixing ratio. ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: <ul style="list-style-type: none"><li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li><li>— you have ever experienced any reaction after colouring your hair,</li><li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li></ul>
209	1H-Indol-6-ol	6-Hydroxy-indole	2380-86-1	417-020-4	Hair dye substance in oxidative hair dye products		After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,5 %	To be printed on the label: The mixing ratio. ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions.

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
210	1H-Indole-2,3-Dione	Isatin	91-56-5	202-077-8	Hair dye substance in non-oxidative hair dye products	1,6 %		<p>‘ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> </ul>

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
211	2-Aminopyridin-3-ol	2-Amino-3-Hydroxy-pyridine	16867-03-1	240-886-8	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %		<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
212	2-Methyl-1-naphthyl acetate	1-Acetoxy-2-Methylnaphthalene	5697-02-9	454-690-7	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 % (When both 2-Methyl-1-Naphthol and 1-Acetoxy-2-Methylnaphthalene are present in a hair dye formulation, the maximum concentration on the head of 2-Methyl-1-Naphthol should not exceed 2,0 %).	To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.’  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
213	1-Hydroxy-2-methyl-naphthalene	2-Methyl-1-Naphthol	7469-77-4	231-265-2	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 % (When both 2-Methyl-1-Naphthol and 1-Acetoxy-2-Methylnaphthalene are present in a hair dye formulation, the maximum concentration on the head of 2-Methyl-1-Naphthol should not exceed 2,0 %.)	To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.’  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
214	Disodium 5,7-dinitro-8-oxido-2-naphthalenesulfonate CI 10316	Acid Yellow 1	846-70-8	212-690-2	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 0,2 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %	(a) To be printed on the label:  The mixing ratio.  For (a) and (b):  ‘⚠ Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
215	4-Amino-3-nitro-phenol	4-Amino-3-nitrophenol	610-81-1	210-236-8	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 %	<p>(a) To be printed on the label: The mixing ratio.</p> <p>‘⚠ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 1,0 %		<p>(b)  Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
216	Naphthalene-2,7-diol	2,7-Naphthalenediol	582-17-2	209-478-7	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %  (b) 1,0 %	(a) To be printed on the label:  The mixing ratio.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
►M4 217	m-Aminophenol and its salts	m-Aminophenol m-Aminophenol HCl m-Aminophenol sulfate	591-27-5 / 51-81-0 / 68239-81-6 / 38171-54-9	209-711-2 / 200-125-2 / 269-475-1	(a) Hair dye substance in oxidative hair dye products		For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,2% ◀	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’ ◀</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Product-s intended for colouring eyelash-es	(b) For professional use only. ◀	►M4 (b) To be printed on the label: The mixing ratio. 'For professional use only. ⚠ This product can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary "black henna" tattoos may increase the risk of allergy. Eyelashes shall not be coloured if the consumer: — has a rash on the face or sensitive, irritated and damaged scalp, — has experienced any reaction after colouring hair or eyelashes,	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								— has experienced a reaction to a temporary “black henna” tattoo in the past.  Rinse eyes immediately if product comes into contact with them. ◀
218	6-Hydroxy-3,4-dimethyl-2-pyridone	2,6-Dihydroxy-3,4-dimethyl-pyridine	84540-47-6	283-141-2	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %		To be printed on the label:  The mixing ratio.  ‘⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								— you have experienced a reaction to a temporary “black henna” tattoo in the past.’
219	1-Hydroxy-3-nitro-4-(3-hydroxypropylamino)benzene (17)	4-Hydroxy-propylamino-3-nitrophenol	92952-81-3	406-305-9	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,6 % calculated as free base.  (b) 2,6 %	For (a) and (b): — Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg /kg — Keep in nitrite-free containers	(a) To be printed on the label: The mixing ratio.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
220	1-[(2'-Methoxyethyl)amino]-2-nitro-4-[di-(2'-hydroxyethyl)amino]benzene <sup>(17)</sup>	HC Blue No 11	23920-15-2	459-980-7	Hair dye substance in non-oxidative hair dye products	2,0 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
221	2-(4-Methyl-2-nitroanilino)ethanol	Hydroxyethyl-2-Nitro-p-Toluidine	100418-33-5	408-090-7	(a) Hair dye substance in oxidative hair dye products (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 % (b) 1,0 %	For (a) and (b): <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	(a) To be printed on the label: The mixing ratio.  <sup>17)</sup> Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.

**▼M3**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
<b>▼M1</b>	222	1-Hydroxy-2-beta-hydroxyethylamino-4,6-dinitrobenzene	2-Hydroxyethylpicramic acid	99610-72-7	412-520-9	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 2,0 %	<p>(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 %</p> <p>For (a) and (b):</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg m/kg</li> <li>— Keep in nitrite-free containers</li> </ul> <p>(a) To be printed on the label: The mixing ratio. ‘ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
223	p-Methylaminophenol and its sulphate	p-Methylaminophenol p-Methylaminophenol sulphate	150-75-4 / 55-55-0 / 1936-57-8	205-768-2 / 200-237-1 / 217-706-1	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,68 % (as sulphate) <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	<p>To be printed on the label: The mixing ratio. ‘ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> </ul>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
224	1-Propanol, 3-[[4-[bis(2-hydroxyethyl)amino]-2-nitro-phenyl]amino] (17)	HC Violet No 2	104226-19-9	410-910-3	Hair dye substance in non-oxidative hair dye products	2,0 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	Can cause allergic reaction
225	1-(beta-Hydroxyethyl)amino-2-nitro-4-N-ethyl-N-(.beta.-hydroxyethyl)amino-benzene and its hydrochloride	HC Blue No 12	104516-93-0/132885-85-9 (HCl)	— / 407-020-2	(a) Hair dye substance in oxidative hair dye products (b) Hair dye substance in non-oxidative hair dye products	(b) 1,5 % (as hydrochloride)	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,75 % (as hydrochloride) For (a) and (b): <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	(a) To be printed on the label: The mixing ratio. ‘  Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
226	4,4'-[1,3-Propane-diylibis(oxy)]bis-benzene-1,3-diamine and its tetrahydrochloride salt <sup>(17)</sup>	1,3-bis-(2,4-Diaminophenoxy)propane 1,3-bis-(2,4-Diaminophenoxy)propane HCl	81892-72-0 / 74918-21-1	279-845-4 / 278-022-7	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,2 % calculated as free base (1,8 % as tetrahydrochloride salt).	<p>(a) To be printed on the label: The mixing ratio.</p> <p> Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 1,2 % as free base (1,8 % as tetrahydrochloride salt)		— you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past. (b) Can cause allergic reaction
227	3-Amino-2,4-dichlorophenol and its hydrochloride	3-Amino-2,4-dichlorophenol 3-Amino-2,4-dichlorophenol HCl	61693-42-3 / 61693-43-4	262-909-0 / —	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 % (as hydrochloride)  (b) 1,5 % (as hydrochloride)	(a) To be printed on the label: The mixing ratio. ‘⚠ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if:

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
									— you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
228	3-Methyl -1- phenyl -5-pyrazolone	Phenyl methyl pyrazolone	89-25-8	201-891-0	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,25 %		To be printed on the label: The mixing ratio. ‘  Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp,	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
►M4 229	5-[(2-Hydroxyethyl)amino]-o-cresol	2-Methyl-5-Hydroxyethyl Aminophenol	55302-96-0	259-583-7	(a) Hair dye substance in oxidative hair dye products		<p>For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,5 %</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers ◀</li> </ul>	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Products intended for colouring eyelashes		(b) For professional use only. ◀	<p>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’ ◀</p> <p>►M4 (b) To be printed on the label: The mixing ratio. ‘For professional use only. ⚠ This product can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase the risk of allergy. Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								— has experienced a reaction to a temporary “black henna” tattoo in the past. Rinse eyes immediately if product comes into contact with them. ◀
230	3,4-Dihydro-2H-1,4-benzoxazin-6-ol	Hydroxybenzomorpholine	26021-57-8	247-415-5	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %  — Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg /kg — Keep in nitrite-free containers	To be printed on the label: The mixing ratio. ⚠ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.	2009R1223 — EN — 10.08.2015 — 008.001 — 232

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
231	1,5-Di-(beta-hydroxyethylamino)-2-nitro-4-chlorobenzene <sup>(17)</sup>	HC Yellow No 10	109023-83-8	416-940-3	Hair dye substance in non-oxidative hair dyes products	0,1 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
232	2,6-Dimethoxy-3,5-pyridinediamine and its hydrochloride	2,6-Dimethoxy-3,5-pyridinediamine 2,6-Dimethoxy-3,5-pyridinediamine HCl	56216-28-5 / 85679-78-3	260-062-1 / —	Hair dye substance in oxidative hair dye products		<p>After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,25 % (as hydrochloride)</p>	<p>To be printed on the label: The mixing ratio.</p> <p> Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
233	1-(beta-Aminoeethyl)amino-4-(beta-hydroxyethyl)oxy-2-nitrobenzene and its salts	HC Orange No 2	85765-48-6	416-410-1	Hair dye substance in non-oxidative hair dye products	1,0 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitritefree containers</li> </ul>	<p>To be printed on the label: The mixing ratio. ‘ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— You have a rash on your face or sensitive, irritated and damaged scalp.</li> <li>— You have ever experienced any reaction after colouring your hair.</li> <li>— You have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
234	Ethanol, 2-[(4-amino-2-methyl-5-nitrophenyl)amino]- and its salts	HC Violet No 1	82576-75-8	417-600-7	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,25 %  For (a) and (b)  — Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg /kg — Keep in nitrite-free containers	(a) To be printed on the label: The mixing ratio.  ‘  Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
					(b) Hair dye substance in non-oxidative hair dye products	(b) 0,28 %		(b) ‘  Hair colourants can cause severe allergic reactions.  Read and follow instructions.

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
235	2-[3-(methylamino)-4-nitrophenoxy]ethanol <sup>(17)</sup>	3-Methylamino-4-nitrophenoxy-ethanol	59820-63-2	261-940-7	Hair dye substance in non-oxidative hair dye products	0,15 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
236	2-[(2-methoxy-4-nitrophenyl)amino]ethanol and its salts	2-Hydroxyethylamino-5-nitroanisole	66095-81-6	266-138-0	Hair dye substance in non-oxidative hair dye products	0,2 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> </ul>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
							<ul style="list-style-type: none"> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
237	2,2'-[ <b>(4-Amino-3-nitrophe-nyl)imino]bisethanol and its hydrochloride</b>	HC Red No 13	29705-39-3/ 94158-13-1	-/303-083-4	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 2,5 % hydrochloride (as hydrochloride)	<ul style="list-style-type: none"> <li>(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,25 % (as hydrochloride)</li> </ul>	<p>(a) To be printed on the label: The mixing ratio. ‘ Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
238	Naphthalene-1,5-diol	1,5-Naphthalenediol	83-56-7	201-487-4	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 1,0 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %	(a) To be printed on the label:  The mixing ratio.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
239	Hydroxypropyl bis(N-hydroxyethyl-p-phenylenediamine) and its tetrahydrochloride	Hydroxypropyl bis(N-hydroxyethyl-p-phenylene-diamine) HCl	128729-30-6/ 128729-28-2	—/416-320-2	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,4 % (as tetrahydrochloride)	To be printed on the label:  The mixing ratio.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
240	4-Nitro-1,2-phenylenediamine	4-Nitro-o-Phenylenediamine	99-56-9	202-766-3	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,5 %	To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
►M4 241	5-Amino-o-cresol	4-Amino-2-Hydroxytoluene	2835-95-2	220-618-6	(a) Hair dye substance in oxidative hair dye products		For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,5 % ◀	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Products intended for colouring eyelashes	(b) For professional use only. ◀	►M4 (b) To be printed on the label: The mixing ratio. 'For professional use only. ⚠ This product can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary "black henna" tattoos may increase the risk of allergy. Eyelashes shall not be coloured if the consumer: — has a rash on the face or sensitive, irritated and damaged scalp,	— you have experienced a reaction to a temporary "black henna" tattoo in the past.' ◀

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them. ◀</p>
►M4 242	2,4-Diaminophenoxyethanol, its hydrochloride and its sulphate	2,4-Diaminophenoxyethanol HCl 2,4-Diaminophenoxyethanol sulfate	70643-19-5/ 66422-95-5 / 70643-20-8	— /266-357- 1/274-713-2	(a) Hair dye substance in oxidative hair dye products	For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 2,0 % (as hydrochloride) ◀	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p>	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Products intended for colouring eyelashes	(b) For professional use only. ◀	►M4 (b) To be printed on the label: The mixing ratio. 'For professional use only. ⚠ This product can cause severe allergic reactions. Read and follow instructions.	

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
									<p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase the risk of allergy.</p> <p>Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them.’ ◀</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
243	1,3-benzenediol, 2-methyl	2-Methyl-resorcinol	608-25-3	210-155-8	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 1,8 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,8 %	(a) To be printed on the label:  The mixing ratio.  ⚠ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
►M4 244	4-Amino-m-cresol	4-Amino-m-Cresol	2835-99-6	220-621-2	(a) Hair dye substance in oxidative hair dye products		For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,5 % ◀	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					►M4 (b) Products intended for colouring eyelashes		(b) For professional use only. ◀	<p>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’ ◀</p> <p>►M4 (b) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘For professional use only.</p> <p>⚠ This product can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase the risk of allergy.</p> <p>Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them. ◀</p>
►M4 245	2-[(3amino-4-methoxyphenyl)amino]ethanol and its sulphate	2-Amino-4-Hydroxyethylaminoanisole 2-Amino-4-Hydroxyethylaminoanisole sulfate	83763-47-7 / 83763-48-8	280-733-2 / 280-734-8	(a) Hair dye substance in oxidative hair dye products		<p>For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair or eyelashes must not exceed 1,5 % (as sulphate)</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers ◀</li> </ul>	<p>►M4 (a) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p>

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					► <b>M4</b> (b) Products intended for colouring eyelashes		(b) For professional use only. ◀	<p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’ ◀</li> </ul> <p>► <b>M4</b> (b) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘For professional use only.</p> <p>⚠ This product can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>Temporary “black henna” tattoos may increase the risk of allergy.</p> <p>Eyelashes shall not be coloured if the consumer:</p> <ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them.’ ◀</p>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
246	Hydroxyethyl-3,4-methylenedioxyaniline and its hydrochloride	Hydroxyethyl-3,4-methylenedioxyaniline HCl	94158-14-2	303-085-5	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,5 %  — Do not use with nitrosating agents  — Maximum nitrosamine content: 50 µg /kg  — Keep in nitrite-free containers	To be printed on the label:  The mixing ratio.  ‘  Hair colourants can cause severe allergic reactions.’  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	2009R1223 — EN — 10.08.2015 — 008.001 — 252

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
247	2,2'-[4-[(2-Hydroxyethyl)amino]-3-nitrophe-nyl]imino]bisethanol <sup>(17)</sup>	HC Blue No 2	33229-34-4	251-410-3	Hair dye substance in non-oxidative hair dye products	2,8 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	Can cause allergic reaction
248	4-[(2-Hydroxyethyl)amino]-3-nitro-phenol	3-Nitro-p-hydroxyethylaminophenol	65235-31-6	265-648-0	(a) Hair dye substance in oxidative hair dye products		<p>(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 3,0 %</p> <p>For (a) and (b):</p> <ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg /kg</li> <li>— Keep in nitrite-free containers</li> </ul>	<p>(a) To be printed on the label: The mixing ratio.</p> <p> Hair colourants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 1,85 %		<ul style="list-style-type: none"> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> <li>(b)  Hair colourants can cause severe allergic reactions.</li> <li>Read and follow instructions.</li> <li>This product is not intended for use on persons under the age of 16.</li> <li>Temporary “black henna” tattoos may increase your risk of allergy.</li> <li>Do not colour your hair if: <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul> </li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
249	1-(beta-Ureidoethyl)amino-4-nitrobenzene	4-Nitrophenyl aminoethylurea	27080-42-8	410-700-1	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 0,5 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,25 %  For (a) and (b):  — Do not use with nitrosating agents  — Maximum nitrosamine content: 50 µg /kg  — Keep in nitrite-free containers	(a) To be printed on the label:  The mixing ratio.  ‘⚠️ Hair colourants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
250	1-Amino-2-nitro-4-(2',3'-dihydroxypropyl)amino-5-chlorobenzene + 1,4-bis-(2',3'-dihydroxypropyl)amino-2-nitro-5-chlorobenzene	HC Red No 10 + HC Red No 11	95576-89-9 + 95576-92-4		(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(b) 2,0 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %  For (a) and (b):  — Do not use with nitrosating agents  — Maximum nitrosamine content: 50 µg/kg  — Keep in nitrite-free containers	(a) To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.’  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
251	2-(4-Amino-3-nitroanilino)ethanol	HC Red No 7	24905-87-1	246-521-9	Hair dye substance in non-oxidative hair dye products	1,0 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	<p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M1

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
252	2-Amino-6-chloro-4-nitrophenol	2-Amino-6-chloro-4-nitrophenol	6358-09-4	228-762-1	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 %	(a) To be printed on the label: The mixing ratio. ‘⚠ Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 2,0 %		(b) ‘  Hair colourants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
<b>▼M3</b>	253	2-[bis(2-Hydroxyethyl)amino]-5-nitro-phenol	HC Yellow No 4	59820-43-8	428-840-7	Hair dye substance in non-oxidative hair dye products	1,5 %	— Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg/kg — Keep in nitrite-free containers

**▼M1**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i

254	Disodium 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate (17); (CI 17200)	Acid Red 33	3567-66-6	222-656-9	Hair dye substance in non-oxidative hair dye products	0,5 %		
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**▼M3**

255	2-[(2-Nitrophenyl)amino]ethanol	HC Yellow No 2	4926-55-0	225-555-8	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	b) 1,0 %	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,75 %  For (a) and (b): — Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg/kg — Keep in nitrite-free containers	(a) To be printed on the label: The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
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## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
256	4-[(2-Nitrophenyl)amino]phenol	HC Orange No 1	54381-08-7	259-132-4	Hair dye substance in non-oxidative hair dye products	1,0 %		

## ▼M2

257	Polidocanol	Laureth-9	3055-99-0	221-284-4	(a) Leave-on products  (b) Rinse-off products	(a) 3,0 %  (b) 4,0 %		
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## ▼M3

258	2-Nitro-N1-phenyl-benzene-1,4-diamine	HC Red No 1	2784-89-6	220-494-3	Hair dye substance in non-oxidative hair dye products	1,0 %		<p>‘ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
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## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
259	1-Methoxy-3-( $\beta$ -aminoethyl)amino-4-nitrobenzene, hydrochloride	HC Yellow No 9	86419-69-4	415-480-1	Hair dye substance in non-oxidative hair dye products	0,5 % (calculated as hydrochloride)	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 <math>\mu</math>g/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
260	1-(4'-Aminophenylazo)-2-methyl-4-(bis-2-hydroxyethyl)aminobenzene	HC Yellow No 7	104226-21-3	146-420-6	Hair dye substance in non-oxidative hair dye products	0,25 %		
261	N-(2-Hydroxyethyl)-2-nitro-4-trifluoromethyl-aniline	HC Yellow No 13	10442-83-8	443-760-2	(a) Hair dye substance in oxidative hair dye products (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,5 % For (a) and (b): (b) 2,5 %	(a) To be printed on the label: The mixing ratio.  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy.	

## ▼M3

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’
262	Benzenaminium, 3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-N,N,N-trimethyl-, chloride	Basic Yellow 57	68391-31-1	269-943-5	Hair dye substance in non-oxidative hair dye products	2,0 %		
263	Ethanol, 2,2'-[[4-[(4-aminophenyl)azo]phenyl]imino]bis-	Disperse Black 9	20721-50-0	243-987-5	Hair dye substance in non-oxidative hair dye products	0,3 % (of the mixture in the ratio 1:1 of 2,2'-[4-(4-aminophenylazo)phenylimino]diethanol and lignosulfate)		

**▼M3**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
264	9,10-Anthracenedione, 1,4-bis[(2,3-dihydroxypropyl)amino]-	HC Blue No 14	99788-75-7	421-470-7	Hair dye substance in non-oxidative hair dye products	0,3 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
265	1,4-Diaminoanthraquinone	Disperse Violet 1	128-95-0	204-922-6	Hair dye substance in non-oxidative hair dye products	0,5 %	Impurity of Disperse Red 15 in Disperse Violet 1 for hair dye formulations should be < 1 % (w/w)	
266	Ethanol, 2-((4-amino-2-nitrophenyl)amino)-	HC Red No 3	2871-01-4	220-701-7	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,45 %	For (a): To be printed on the label: The mixing ratio.

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 3,0 %	For (a) and (b): — Do not use with nitrosating agents — Maximum nitrosamine content: 50 µg/kg — Keep in nitrite-free containers	For (a) and (b): ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
267	[7-Hydroxy-8-[(2-methoxyphenyl)azo]-2-naphthyl]trimethylammonium chloride	Basic Red 76	68391-30-0	269-941-4	Hair dye substance in non-oxidative hair dye products	2,0 %		
268	2-[[4-(Dimethylamino)phenyl]azo]-1,3-dimethyl-1H-imidazolium chloride	Basic Red 51	77061-58-6	278-601-4	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,5 %	(a) To be printed on the label: The mixing ratio. ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings	
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
	a	b	c	d	e	f	g	h	i
					(b) Hair dye substance in non-oxidative hair dye products	(b) 1,0 %			
269	Phenol, 2-Amino-5-Ethyl-, Hydrochloride	2-Amino-5-Ethylphenol HCl	149861-22-3		Hair dye substance in oxidative hair dye products		After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %		<p>To be printed on the label: The mixing ratio.</p> <p>‘ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
270	Fluorescein, 2',4',5',7'-tetrabromo-4,5,6,7-tetrachloro-, disodium salt (CI 45410)	Acid Red 92	18472-87-2	242-355-6	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 %  (b) 0,4 %	(a) To be printed on the label: The mixing ratio. ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
271	Mixture of (1), (2) & (3) in dispersing agent (lignosulphate):  (1) 9,10-Anthracenedione-1,4-bis[(2-Hydroxyethyl)amino]  (2) 9,10-Anthracenedione-1-[(2-Hydroxyethyl)amino]-4-[(3-Hydroxypropyl)amino]  (3) 9,10-anthracenedione-1,4-bis[(3-hydroxypropyl)amino]	Disperse Blue 377 is a mixture of three dyes:  (1) 1,4-bis[(2-hydroxyethyl)amino]-anthra-9,10-quinone  (2) 1-[(2-hydroxyethyl)amino]-4-[(3-hydroxypropyl)amino]-anthra-9,10-quinone  (3) 1,4-bis[(3-hydroxypropyl)amino]-anthra-9,10-quinone	(1) 4471-41-4  (2) 67674-26-4  (3) 67701-36-4	(1) 224-743-7  (2) 266-865-3  (3) 266-954-7	Hair dye substance in non-oxidative hair dye products	2,0 %		

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
272	4-Aminophenol	p-Aminophenol	123-30-8	204-616-2	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,9 %	<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
273	4,5-Diamino-1-(2-hydroxyethyl)-1H-pyrazole sulfate (1:1)	1-Hydroxyethyl-4,5-Diamino Pyrazole Sulfate	155601-30-2	429-300-3	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 3,0 %		<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
274	Quinolinium, 4-formyl-1-methyl-, salt with 4-methylbenzenesulfonic acid (1:1)	4-Formyl-1-Methylquinolinium-p-Toluenesulfonate	223398-02-5	453-790-8	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,5 %		<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p>⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
275	Pyridinium, 1-methyl-4-[(methyl-phenylhydrazone)methyl]-, methyl sulfate	Basic Yellow 87	68259-00-7	269-503-2	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %  (b) 1,0 %	(a) To be printed on the label: The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
276	2-[(4-Aminophenyl)azo]-1,3-dimethyl-1H-imidazolium chloride	Basic Orange 31	97404-02-9	306-764-4	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,5 %  (b) 1,0 %	(a) To be printed on the label: The mixing ratio. ‘  Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if: — you have a rash on your face or sensitive, irritated and damaged scalp, — you have ever experienced any reaction after colouring your hair, — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
277	2,6-Pyridinediamine, 3-(3-pyridinylazo)	2,6-Diamino-3-((Pyridine-3-yl)azo)Pyridine	28365-08-4	421-430-9	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,25 %  (b) 0,25 %	(a) To be printed on the label: The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
278	4-((4-Amino-3-methylphenyl)(4-imino-3-methyl-2,5-cyclohexadien-1-ylidene)methyl)-2-methylphenylamine monohydrochloride (CI 42520)	Basic Violet 2	3248-91-7	221-831-7	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %  (b) 0,5 %	(a) To be printed on the label:  The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
279	2,3-Diamino-6,7-dihydro-1H,5H-pyrazolo[1,2-a] Pyrazol-1-one dimethanesulfonate	2,3-Diamino-dihydropyrazolopyrazolone Dimethosulfonate	857035-95-1	469-500-8	Hair dye substance in oxidative hair dye products	After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 2,0 %	<p>To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
280	2-Amino-4,6-dinitrophenol and 2-amino-4,6-dinitrophenol, sodium salt	Picramic Acid and Sodium Picramate	96-91-3 831-52-7	202-544-6 212-603-8	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,6 %  (b) 0,6 %	(a) To be printed on the label: The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
281	1-Methylamino-2-nitro-5-(2,3-dihydroxy-propyloxy)-benzene	2-Nitro-5-Glyceryl Methylaniline	80062-31-3	279-383-3	(a) Hair dye substance in oxidative hair dye products  (b) Hair dye substance in non-oxidative hair dye products	(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,8 %  (b) 1,0 %	(a) To be printed on the label: The mixing ratio.  ‘  Hair colorants can cause severe allergic reactions.  Read and follow instructions.  This product is not intended for use on persons under the age of 16.  Temporary “black henna” tattoos may increase your risk of allergy.  Do not colour your hair if:  — you have a rash on your face or sensitive, irritated and damaged scalp,  — you have ever experienced any reaction after colouring your hair,  — you have experienced a reaction to a temporary “black henna” tattoo in the past.’  For (a) and (b):  — Do not use with nitrosating agents	

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
							<ul style="list-style-type: none"> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
282	1-Propanaminium, 3-[[9,10-dihydro-4-(methylamino)-9,10-dioxo-1-anthracenyl]amino]-N,N-dimethyl-N-propyl-, bromide	HC Blue 16	502453-61-4	481-170-7	Hair dye substance in non-oxidative hair dye products	3,0 %	<ul style="list-style-type: none"> <li>— Do not use with nitrosating agents</li> <li>— Maximum nitrosamine content: 50 µg/kg</li> <li>— Keep in nitrite-free containers</li> </ul>	
283	3-amino-2-chlor-6-methylphenol 3-amino-4-chloro-6-methylphenol HCl	5-Amino-6-Chloro-o-Cresol 5-Amino-6-Chloro-o-Cresol HCl	84540-50-1 80419-48-3	283-144-9	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %	<p>(a) To be printed on the label: The mixing ratio.</p> <p> Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
					(b) Hair dye substance in non-oxidative hair dye products	(b) 0,5 %		
284	Phenol, 2,2'-methylenebis[4-amino-], dihydrochloride	2,2'-Methylenebis-4-aminophenol HCl	27311-52-0 63969-46-0	440-850-3	(a) Hair dye substance in oxidative hair dye products		(a) After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 1,0 %	<p>(a) To be printed on the label: The mixing ratio.</p> <p>‘⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p>

## ▼M4

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<p>Temporary “black henna” tattoos may increase your risk of allergy.</p> <p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul>
					(b) Hair dye substance in non-oxidative hair dye products	(b) 1,0 %		
285	Pyridine-2,6-diylidiamine	2,6-Diaminopyridine	141-86-6	205-507-2	(a) Hair dye substance in oxidative hair dye products		For (a) and (b): After mixing under oxidative conditions the maximum concentration applied to hair must not exceed 0,15 %	<p>(a) To be printed on the label: The mixing ratio.</p> <p>‘⚠ Hair colorants can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase your risk of allergy.</p>

**▼M4**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Products intended for colouring eyelashes		(b) For professional use only.	<p>Do not colour your hair if:</p> <ul style="list-style-type: none"> <li>— you have a rash on your face or sensitive, irritated and damaged scalp,</li> <li>— you have ever experienced any reaction after colouring your hair,</li> <li>— you have experienced a reaction to a temporary “black henna” tattoo in the past.’</li> </ul> <p>(b) To be printed on the label:</p> <p>The mixing ratio.</p> <p>‘For professional use only.</p> <p> This product can cause severe allergic reactions.</p> <p>Read and follow instructions.</p> <p>This product is not intended for use on persons under the age of 16.</p> <p>Temporary “black henna” tattoos may increase the risk of allergy.</p> <p>Eyelashes shall not be coloured if the consumer:</p>

**▼M4**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
								<ul style="list-style-type: none"> <li>— has a rash on the face or sensitive, irritated and damaged scalp,</li> <li>— has experienced any reaction after colouring hair or eyelashes,</li> <li>— has experienced a reaction to a temporary “black henna” tattoo in the past.</li> </ul> <p>Rinse eyes immediately if product comes into contact with them.’</p>

**▼M6****▼C2**

286	C <sub>16</sub> -alkyltrimethylammonium chloride	Cetrimonium chloride <sup>(19)</sup>	112-02-7	203-928-6	(a) Rinse-off hair products	(a) 2,5 % for the individual concentrations or the sum of the individual concentrations of cetrimonium chloride and steartrimonium chloride	For purposes other than inhibiting the development of micro-organisms in the product. The purpose has to be apparent from the presentation of the product.
	C <sub>18</sub> -alkyltrimethylammonium chloride	Steartrimonium chloride <sup>(19)</sup>	112-03-8	203-929-1			

**▼C2**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Leave-on hair products	(b) 1,0 % for the individual concentrations or the sum of the individual concentrations of cetrimonium chloride and steartrimonium chloride		
					(c) Leave-on face products	(c) 0,5 % for the individual concentrations or the sum of the individual concentrations of cetrimonium chloride and steartrimonium chloride		

## ▼C2

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
287	C <sub>22</sub> -alkyltrimethylammonium chloride	Behentrimonium chloride (¹⁹)	17301-53-0	241-327-0	(a) Rinse-off hair products	(a) 5,0 % for the individual concentration of behentrimonium chloride or the sum of the individual concentrations of cetrimonium chloride, steartrimonium chloride and behentrimonium chloride, while at the same time respecting the relevant maximum concentration for the sum of cetrimonium chloride and steartrimonium chloride set out in entry 286.	For purposes other than inhibiting the development of micro-organisms in the product. The purpose has to be apparent from the presentation of the product.	

**▼C2**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(b) Leave-on hair products	(b) 3,0 % for the individual concentration of behentrimonium chloride or the sum of the individual concentrations of cetrimonium chloride, steartrimonium chloride and behentrimonium chloride, while at the same time respecting the relevant maximum concentration for the sum of cetrimonium chloride and steartrimonium chloride set out in entry 286.		

**▼C2**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					(c) Leave-on face products	(c) 3,0 % for the individual concentration of behentrimonium chloride or the sum of the individual concentrations of cetrimonium chloride, steartrimonium chloride and behentrimonium chloride, while at the same time respecting the relevant maximum concentration for the sum of cetrimonium chloride and steartrimonium chloride		

**▼C2**

Reference number	Substance identification				Restrictions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
					set out in entry 286.			

**▼B**

►M1 (1) These substances may be used singly or in combination provided that the sum of the ratios of the levels of each of them in the cosmetic product expressed with reference to the maximum level authorised for each of them does not exceed 1. ◀

(2) For use as a preservative, see Annex V, No. 5.

(3) Only if the concentration exceeds 0,05 %.

(4) The quantity of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In cases of mixtures, the sum should not exceed the limits given in column g.

(5) The concentration of sodium, potassium or lithium hydroxide is expressed as weight of sodium hydroxide. In case of mixtures, the sum should not exceed the limits given in column g.

►M1 ►C1 (6) For use as a preservative, see Annex V, No. 34. ◀ ◀

(7) For use as a preservative, see Annex V, No 43.

(8) For use as a preservative, see Annex V, No. 54.

(9) For use as a preservative, see Annex V, No 3.

(10) Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.

(11) For use as a preservative, see Annex V, No 9.

(12) For use as a preservative, see Annex V, No 23.

(13) For use as a preservative, see Annex V, No 8.

►M4 (14) OJ L 255, 30.9.2005, p. 22. ◀

►M1 (15) This limit applies to the substance and not to the finished cosmetic product. ◀

►M1 (16) The sum of those substances used in combination should not exceed the limits given as 'Maximum concentration in ready for use preparation'.

(17) The free base and salts of this hair colouring ingredient, unless prohibited under Annex II, are permitted for use.

(18) For use as a preservative, see Annex V, No 58. ◀

►M6 ►C2 (19) For use as a preservative, see Annex V, entry No 44. ◀ ◀

**▼B***ANNEX IV***LIST OF COLORANTS ALLOWED IN COSMETIC PRODUCTS****Preamble**

Without prejudice to other provisions in this Regulation, a colorant shall include its salts and lakes and when a colorant is expressed as a specific salt, its other salts and lakes shall also be included.

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
1	Sodium tris(1,2-naphtho-quinone 1-oximato-O,O')ferrate(1-)	10006			Green	Rinse-off products			
2	Trisodium tris[5,6-dihydro-5-(hydroxymino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)	10020			Green	Not to be used in products applied on mucous membranes			
3	Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	10316			Yellow	Not to be used in eye products			
4	2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	11680			Yellow	Not to be used in products applied on mucous membranes			
5	2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide	11710			Yellow	Not to be used in products applied on mucous membranes			

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
6	2-[(4-Methoxy-2-nitrophenyl)azo]-3-oxo-N-(o-tolyl)butyramide	11725			Orange	Rinse-off products			
7	4-(Phenylazo)resorcinol	11920			Orange				
8	4-[(4-Ethoxyphenyl)azo]naphthol	12010			Red	Not to be used in products applied on mucous membranes			
9	1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol and its insoluble barium, strontium and zirconium lakes, salts and pigments	12085			Red		3 %		
10	1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol	12120			Red	Rinse-off products			
11	3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide	12370			Red	Rinse-off products			
12	N-(4-Chloro-2-methylphenyl)-4-[(4-chloro-2-methylphenyl)azo]-3-hydroxynaphthalene-2-carboxamide	12420			Red	Rinse-off products			

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
13	4-[(2,5-Dichlorophenyl)azo]-N-(2,5-dimethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide	12480			Brown	Rinse-off products			
14	N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide	12490			Red				
15	2,4-Dihydro-5-methyl-2-phenyl-4-(phenylazo)-3H-pyrazol-3-one	12700			Yellow	Rinse-off products			
16	Disodium 2-amino-5-[(4-sulphonatophenyl)azo]benzenesulphonate	13015			Yellow				
17	Sodium 4-(2,4-dihydroxyphenylazo)benzenesulphonate	14270			Orange				
18	Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate	14700			Red				
19	Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate	14720		222-657-4	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 122)	

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
20	Disodium 6-[(2,4-dimethyl-6-sulphonatophenyl)azo]-5-hydroxynaphthalene-1-sulphonate	14815			Red				
21	Sodium 4-[(2-hydroxy-1-naphthyl)azo]benzenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15510			Orange	Not to be used in eye products			
22	Calcium disodium bis[2-chloro-5-[(2-hydroxy-1-naphthyl)azo]-4-sulphonatobenzoate]	15525			Red				
23	Barium bis[4-[(2-hydroxy-1-naphthyl)azo]-2-methylbenzenesulphonate]	15580			Red				
24	Sodium 4-[(2-Hydroxy-1-naphthyl)azo]naphthalenesulphonate	15620			Red	Rinse-off products			
25	Sodium 2-[(2-hydroxynaphthyl)azo]naphthalenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15630			Red		3 %		

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
26	Calcium bis[3-hydroxy-4-(phenylazo)-2-naphthoate]	15800			Red	Not to be used in products applied on mucous membranes			
27	Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15850		226-109-5	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 180)	
28	Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15865			Red				
29	Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate	15880			Red				
30	Disodium 6-hydroxy-5-[(3-sulphonatophenyl)azo]naphthalene-2-sulphonate	15980			Orange				

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
31	Disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	15985		220-491-7	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 110)	
32	Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate	16035		247-368-0	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 129)	
33	Trisodium 3-hydroxy-4-[(4'-sulphonatonaphthyl)azo]naphthalene-2,7-disulphonate	16185		213-022-2	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 123)	
34	Disodium 7-hydroxy-8-(phenylazo)naphthalene-1,3-disulphonate	16230			Orange	Not to be used in products applied on mucous membranes			
35	Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	16255		220-036-2	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 124)	

**▼B**

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
36	Tetrasodium 7-hydroxy-8-[(4-sulphonato-1-naphthyl)azo]naphthalene-1,3,6-trisulphonate	16290			Red				
37	Disodium 5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments	17200			Red				
38	Disodium 5-acetylamino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate	18050		223-098-9	Red	Not to be used in products applied on mucous membranes		Purity criteria as set out in Commission Directive 95/45/EC (E 128)	
39	2,7-Naphthalenedisulfonic acid, 3-((4-cyclohexyl-2-methylphenyl)azo)-4-hydroxy-5-(((4-methylphenyl)sulfonyl)amino)-, disodium salt	18130			Red	Rinse-off products			
40	Hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)	18690			Yellow	Rinse-off products			

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
41	Disodium hydrogen bis[5-chloro-3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxybenzenesulphonato(3-)chroomate(3-)]	18736			Red	Rinse-off products			
42	Sodium 4-(3-hydroxy-5-methyl-4-(phenylazo)pyrazol-2-yl)benzenesulphonate	18820			Yellow	Rinse-off products			
43	Disodium 2,5-dichloro-4-(5-hydroxy-3-methyl-4-((sulphophenyl)azo)pyrazol-1-yl)benzenesulphonate	18965			Yellow				
44	Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-((4-sulphophenyl)azo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments	19140		217-699-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 102)	
45	N,N'-(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis[2-[(2,4-dichlorophenyl)azo]-3-oxobutyramide]	20040			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
46	Sodium 4-amino-5-hydroxy-3-((4-nitrophenyl)azo)-6-(phenylazo)naphthalene-2,7-disulphonate	20470			Black	Rinse-off products			
47	2,2'-(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide]	21100			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	
48	2,2'-(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutyramide]	21108			Yellow	Rinse-off products		Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm	
49	2,2'-(Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol]	21230			Yellow	Not to be used in products applied on mucous membranes			
50	Disodium 4,6-dihydroxy-3-[[4-[1-[4-[[1-hydroxy-7-[(phenylsulphonyloxy)-3-sulphonato-2-naphthyl]azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-2-sulphonate	24790			Red	Rinse-off products			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
51	1-(4-(Phenylazo)phenylazo)-2-naphthol	26100			Red	Not to be used in products applied on mucous membranes		Purity criteria: aniline ≤ 0,2 % 2-naphtol ≤ 0,2 % 4-aminoazobenzene ≤ 0,1 % 1-(phenylazo)-2-naphtol ≤ 3 % 1-[2-(phenylazo)phenylazo]-2-naphthalenol ≤ 2 %	
52	Tetrasodium 6-amino-4-hydroxy-3-[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate	27755			Black				
53	Tetrasodium 1-acetamido-2-hydroxy-3-(4-((4-sulphonatophenylazo)-7-sulphonato-1-naphthylazo))naphthalene-4,6-disulphonate	28440		219-746-5	Black			Purity criteria as set out in Commission Directive 95/45/EC (E 151)	
54	Benzenesulfonic acid, 2,2'-(1,2-ethenediyi)bis[5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo] benzenesulfonic acid, sodium salts	40215			Orange	Rinse-off products			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
55	beta Carotene	40800		230-636-6	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E160a)	
56	8'-apo-.beta.-Caroten-8'-al	40820			Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160e)	
57	Ethyl 8'-apo-.beta.-caroten-8'-oate	40825		214-173-7	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160f)	
58	Canthaxanthin	40850		208-187-2	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 161g)	
59	Ammonium, (4-(alpha-(p-(diethylamino)phenyl)-2,4-disulfo-benzylidene)-2,5-cyclohexadien-1-ylidene)diethyl-, hydroxide, monosodium salt	42045			Blue	Not to be used in products applied on mucous membranes			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
60	Ethanaminium, N-((4-((4-(dieethylamino)phenyl)(5-hydroxy-2,4-disulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) and its insoluble barium, strontium and zirconium lakes, salts and pigments	42051		222-573-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 131)	
61	Benzene-methanaminium, N-ethyl-N-((4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(4-hydroxy-2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt	42053			Green				
62	Hydrogen (benzyl)[4-[[4-[benzylethylamino]phenyl](2,4-disulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)ammonium, sodium salt	42080			Blue	Rinse-off products			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
63	Benzene-methanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt	42090		223-339-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 133)	
64	Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonato-benzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonato-benzyl)ammonium, sodium salt	42100			Green	Rinse-off products			
65	Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonato-benzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonato-benzyl)ammonium, sodium salt	42170			Green	Rinse-off products			
66	(4-(4-Aminophenyl)(4-imino-cyclohexa-2,5-dienylidene)methyl)-2-methylaniline hydrochloride	42510			Violet	Not to be used in products applied on mucous membranes			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
67	4-[(4-Amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride	42520			Violet	Rinse-off products	5ppm		
68	Hydrogen [4-[[4-(diethylamino)phenyl][4-[ethyl[(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt	42735			Blue	Not to be used in products applied on mucous membranes			
69	[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	44045			Blue	Not to be used in products applied on mucous membranes			
70	Hydrogen [4-[4-(dimethylamino)-alpha.-(2-hydroxy-3,6-disulphonato-1-naphthyl)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium, monosodium salt	44090		221-409-2	Green			Purity criteria as set out in Commission Directive 95/45/EC (E 142)	

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
71	Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylium, sodium salt	45100			Red	Rinse-off products			
72	Hydrogen 9-(2-carboxylatophenyl)-3-(2-methylanilino)-6-(2-methyl-4-sulphoanilino)xanthylium, monosodium salt	45190			Violet	Rinse-off products			
73	Hydrogen 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylium, monosodium salt	45220			Red	Rinse-off products			
74	Disodium 2-(3-oxo-6-oxidoxanthan-9-yl)benzoate	45350			Yellow		6 %		
75	4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9-[9H]xanthene]-3-one and its insoluble barium, strontium and zirconium lakes, salts and pigments	45370			Orange			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid	

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
76	Disodium 2-(2,4,5,7-tetra-bromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45380			Red			Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid	
77	3',6'-Dihydroxy-4',5'-dinitro-spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one	45396			Orange		1 %, when used in lip products	Only in free acid form, when used in lip products	
78	Dipotassium 3,6-dichloro-2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate	45405			Red	Not to be used in eye products		Not more than 1 % 2-(6-hydroxy-3-oxo-3H xanthan-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid	
79	3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid and its insoluble barium, strontium and zirconium lakes, salts and pigments	45410			Red			Not more than 1 % 2-(6-hydroxy-3-oxo-3H xanthan-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthan-9-yl) benzoic acid	

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
80	Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxanthan-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments	45430		240-474-8	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 127)	
81	1,3-Isobenzofurandione, reaction products with methyl-quinoline and quinoline	47000			Yellow	Not to be used in products applied on mucous membranes			
82	1H-Indene-1,3(2H)-dione, 2-(2-quinolinyl)-, sulfonated, sodium salts	47005		305-897-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 104)	
83	Hydrogen 9-[(3-methoxyphenyl)amino]-7-phenyl-5-(phenylamino)-4,10-disulphonato-benzo[a]phenazinium, sodium salt	50325			Violet	Rinse-off products			
84	Sulfonated nigrosine color	50420			Black	Not to be used in products applied on mucous membranes			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
85	8,18-Dichloro-5,15-diethyl-5,15-dihydroindolo[3,2-b:3',2'-m]triphenodioxazine	51319			Violet	Rinse-off products			
86	1,2-Dihydroxyanthraquinone	58000			Red				
87	Trisodium 8-hydroxypyrene-1,3,6-trisulphonate	59040			Green	Not to be used in products applied on mucous membranes			
88	1-Anilino-4-hydroxyanthraquinone	60724			Violet	Rinse-off products			
89	1-Hydroxy-4-(p-toluidino)anthraquinone	60725			Violet				
90	Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthryl)amino]toluene-3-sulphonate	60730			Violet	Not to be used in products applied on mucous membranes			
91	1,4-bis(p-Tolylamino)anthraquinone	61565			Green				
92	Disodium 2,2'-(9,10-dioxoanthracene-1,4-diylidimino)bis(5-methylsulphonate)	61570			Green				

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
93	Sodium 3,3'-(9,10-dioxoanthracene-1,4-diyldiimino)bis(2,4,6-trimethylbenzenesulphonate)	61585			Blue	Rinse-off products			
94	Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate	62045			Blue	Rinse-off products			
95	6,15-Dihydroanthrazine-5,9,14,18-tetron	69800			Blue				
96	7,16-dichloro-6,15-dihydroanthrazine-5,9,14,18-tetron	69825			Blue				
97	Bisbenzimidazo[2,1-b:2',1'-i]benzo[1mn][3,8]phenanthroline-8,17-dione	71105			Orange	Not to be used in products applied on mucous membranes			
98	2-(1,3-Dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one	73000			Blue				
99	Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate	73015		212-728-8	Blue			Purity criteria as set out in Commission Directive 95/45/EC (E 132)	

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
100	6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one	73360			Red				
101	5-Chloro-2-(5-chloro-7-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-7-methylbenzo[b]thiophene-3(2H)-one	73385			Violet				
102	5,12-Dihydroquino[2,3-b]acridine-7,14-dione	73900			Violet	Rinse-off products			
103	5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione	73915			Red	Rinse-off products			
104	29H,31H-Phthalocyanine	74100			Blue	Rinse-off products			
105	29H,31H-Phthalocyaninato(2-)N29,N30,N31,N32 copper	74160			Blue				
106	Disodium [29H,31H-phthalocyaninedisulphonato (4-)N29,N30,N31,N32] cuprate (2-)	74180			Blue	Rinse-off products			

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
107	Polychloro copper phthalocyanine	74260			Green	Not to be used in eye products			
108	8,8'-diapo- $\psi$ ., $\psi$ .-Carotenedioic acid	75100			Yellow				
109	Annatto	75120		215-735-4/289-561-2/230-248-7	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160b)	
110	Lycopene	75125		—	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 160d)	
111	CI Food Orange 5	75130		214-171-6	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160a)	
112	(3R)-beta-4-Caroten-3-ol	75135			Yellow				
113	2-Amino-1,7-dihydro-6H-purin-6-one	75170			White				
114	Curcumins	75300		207-280-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 100)	

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
115	Carmines	75470		215-680-6/ 215-023-3/ 215-724-4	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 120)	
116	Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato (5-)N21,N22,N23,N24]copperate(3-) (Chlorophylls)	75810		215-800-7/ 207-536-6/ 208-272-4/ 287-483-3/ 239-830-5/ 246-020-5	Green			Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141)	
117	Aluminium	77000		231-072-3	White			Purity criteria as set out in Commission Directive 95/45/EC (E 173)	
118	Aluminium hydroxide sulphate	77002			White				
119	Natural hydrated aluminium silicate, $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$ , containing calcium, magnesium or iron carbonates, ferric hydroxide, quartz-sand, mica, etc. as impurities	77004			White				
120	Lazurite	77007			Blue				

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
121	Aluminum silicate coloured with ferric oxide	77015			Red				
122	Barium sulfate	77120			White				
123	Bismuth chloride oxide	77163			White				
124	Calcium carbonate	77220		207-439-9/215-279-6	White			Purity criteria as set out in Commission Directive 95/45/EC (E 170)	
125	Calcium sulfate	77231			White				
126	Carbon black	77266		215-609-9	Black			Purity criteria as set out in Commission Directive 95/45/EC (E 153)	
127	Charcoal, bone. A fine black powder obtained by burning animal bones in a closed container. It consists primarily of calcium phosphate and carbon	77267			Black				
128	Coke black	77268:1			Black				
129	Chromium (III) oxide	77288			Green			free from chromate ion	

**▼B**

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
130	Chromium (III) hydroxide	77289			Green			free from chromate ion	
131	Cobalt Aluminum Oxide	77346			Green				
132	Copper	77400			Brown				
133	Gold	77480		231-165-9	Brown			Purity criteria as set out in Commission Directive 95/45/EC (E 175)	
134	Iron oxide	77489			Orange				
135	Iron Oxide Red	77491		215-168-2	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
136	Iron Oxide Yellow	77492	51274-00-1	257-098-5	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
137	Iron Oxide Black	77499		235-442-5	Black			Purity criteria as set out in Commission Directive 95/45/EC (E 172)	
138	Ferric Ammonium Ferrocyanide	77510			Blue			free from cyanide ions	
139	Magnesium carbonate	77713			White				

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
140	Ammonium manganese(3+) diphosphate	77742			Violet				
141	Trimanganese bis (orthophosphate)	77745			Red				
142	Silver	77820		231-131-3	White			Purity criteria as set out in Commission Directive 95/45/EC (E 174)	
143	Titanium dioxide (¹)	77891		236-675-5	White			Purity criteria as set out in Commission Directive 95/45/EC (E 171)	
144	Zinc oxide	77947			White				
145	Riboflavin	Lactoflavin		201-507-1/ 204-988-6	Yellow			Purity criteria as set out in Commission Directive 95/45/EC (E 101)	
146	Caramel	Caramel		232-435-9	Brown			Purity criteria as set out in Commission Directive 95/45/EC (E 150a-d)	

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
147	Paprika extract, Capsanthin, capsorubin	Capsanthin, capsorubin		207-364-1/ 207-425-2	Orange			Purity criteria as set out in Commission Directive 95/45/EC (E 160c)	
148	Beetroot red	Beetroot Red	7659-95-2	231-628-5	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 162)	
149	Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)	Antho-cyanins	528-58-5 134-01-0 528-53-0 643-84-5 134-04-3 — 205-127-7	208-438-6 205-125-6 211-403-8 208-437-0 — 205-127-7	Red			Purity criteria as set out in Commission Directive 95/45/EC (E 163)	
150	Aluminium, zinc, magnesium and calcium stearates	Aluminum stearate Zinc stearate Magnesium stearate Calcium stearate	7047-84-9 557-05-1 557-04-0 216-472-8	230-325-5 209-151-9 209-150-3 216-472-8	White				

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Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical Name	Colour index Number/Name of Common Ingredients Glossary	CAS number	EC number	Colour	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i	j
151	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-3-methyl-6-(1-methyl-ethyl)-, S,S-dioxide	Bromo-thymol blue	76-59-5	200-971-2	Blue	Rinse-off products			
152	Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-,S,S-dioxide	Bromocresol green	76-60-8	200-972-8	Green	Rinse-off products			
153	Sodium 4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxy-naphthalene-1-sulphonate	Acid red 195	12220-24-5	—	Red	Not to be used in products applied on mucous membranes			

(<sup>1</sup>) For use as a UV-Filter, see Annex VI, No. 27.

**▼B***ANNEX V***LIST OF PRESERVATIVES ALLOWED IN COSMETIC PRODUCTS****Preamble**

1. For the purposes of this list:
  - ‘Salts’ is taken to mean: salts of the cations sodium, potassium, calcium, magnesium, ammonium and ethanolamines; salts of the anions chloride, bromide, sulphate, acetate.
  - ‘Esters’ is taken to mean: esters of methyl, ethyl, propyl, isopropyl, butyl, isobutyl, phenyl.
2. All finished products containing formaldehyde or substances in this Annex and which release formaldehyde must be labelled with the warning ‘contains formaldehyde’ where the concentration of formaldehyde in the finished product exceeds 0,05 %.

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
1	Benzoic acid and its sodium salt	Benzoic acid Sodium Benzoate	65-85-0 532-32-1	200-618-2 208-534-8	Rinse-off products, except oral products  Oral products  Leave-on products	2,5 % (acid)  1,7 % (acid)  0,5 % (acid)		
1a	Salts of benzoic acid other than that listed under reference number 1 and esters of benzoic acid	Ammonium benzoate, calcium benzoate, potassium benzoate, magnesium benzoate, MEA-benzoate, methyl benzoate, ethyl benzoate, propyl benzoate, butyl benzoate, isobutyl benzoate, isopropyl benzoate, phenyl benzoate	1863-63-4, 2090-05-3, 582-25-2, 553-70-8, 4337-66-0, 93-58-3, 93-89-0, 2315-68-6, 136-60-7, 120-50-3, 939-48-0, 93-99-2	217-468-9, 218-235-4, 209-481-3, 209-045-2, 224-387-2, 202-259-7, 202-284-3, 219-020-8, 205-252-7, 204-401-3, 213-361-6, 202-293-2		0,5 % (acid)		

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
2	Propionic acid and its salts	Propionic acid, ammonium propionate, calcium propionate, magnesium propionate, potassium propionate, sodium propionate	79-09-4, 17496-08-1, 4075-81-4, 557-27-7, 327-62-8, 137-40-6	201-176-3, 241-503-7, 223-795-8, 209-166-0, 206-323-5, 205-290-4		2 % (acid)		
3	Salicylic acid ( <sup>1</sup> ) and its salts	Salicylic acid, calcium salicylate, magnesium salicylate, MEA-salicylate, sodium salicylate, potassium salicylate, TEA-salicylate	69-72-7, 824-35-1, 18917-89-0, 59866-70-5, 54-21-7, 578-36-9, 2174-16-5	200-712-3, 212-525-4, 242-669-3, 261-963-2, 200-198-0, 209-421-6, 218-531-3		0,5 % (acid)	Not to be used in products for children under 3 years of age, except for shampoos	Not to be used for children under 3 years of age ( <sup>2</sup> )
4	Hexa-2,4-dienoic acid and its salts	Sorbic acid, calcium sorbate, sodium sorbate, potassium sorbate	110-44-1, 7492-55-9, 7757-81-5, 24634-61-5	203-768-7, 231-321-6, 231-819-3, 246-376-1		0,6 % (acid)		
5	Formal-dehyde, para-formaldehyde ( <sup>3</sup> )	Formaldehyde Paraformaldehyde	50-00-0, 30525-89-4	200-001-8	Oral products Other products	0,1 % (free formaldehyde) 0,2 % (free formaldehyde)	Not to be used in aerosol dispensers (sprays)	
6	Moved or deleted							

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
7	Biphenyl-2-ol, and its salts	o-Phenylphenol, sodium o-phenylphenate, potassium o-phenylphenate, MEA o-phenylphenate	90-43-7, 132-27-4, 13707-65-8, 84145-04-0	201-993-5, 205-055-6, 237-243-9, 282-227-7		0,2 % (as phenol)		
8	Pyrithione zinc <sup>(4)</sup>	Zinc pyrithione	13463-41-7	236-671-3	Hair products Other products	1,0 % 0,5 %	Only in rinse-off products Not to be used in oral products	
9	Inorganic sulphites and hydrogen-sulphites <sup>(5)</sup>	Sodium sulfite, ammonium bisulfite, ammonium sulfite, potassium sulfite, potassium hydrogen sulfite, sodium bisulfite, sodium metabisulfite, potassium metabisulfite	7757-83-7, 10192-30-0, 10196-04-0, 10117-38-1, 7773-03-7, 7631-90-5, 7681-57-4, 16731-55-8	231-821-4, 233-469-7, 233-484-9, 233-321-1, 231-870-1, 231-548-0, 231-673-0, 240-795-3		0,2 % (as free SO <sub>2</sub> )		
10	Moved or deleted							
11	Chlorobutanol	Chlorobutanol	57-15-8	200-317-6		0,5 %	Not to be used in aerosol dispensers (sprays)	Contains Chlorobutanol

**▼B**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
12	4-Hydroxybenzoic acid and its Methyl- and Ethyl- esters, and their salts	4-Hydroxybenzoic acid methylparaben potassium ethylparaben potassium paraben sodium methylparaben sodium ethylparaben ethylparaben sodium paraben potassium methylparaben calcium paraben	99-96-7 99-76-3 36457-19-9 16782-08-4 5026-62-0 35285-68-8 120-47-8 114-63-6 26112-07-2 69959-44-0	202-804-9 202-785-7 253-048-1 240-830-2 225-714-1 252-487-6 204-399-4 204-051-1 247-464-2 274-235-4		0,4 % (as acid) for single ester 0,8 % (as acid) for mixtures of esters		
12a	Butyl 4-hydroxybenzoate and its salts Propyl 4-hydroxybenzoate and its salts	Butylparaben propylparaben sodium propylparaben sodium butylparaben potassium butylparaben potassium propylparaben	94-26-8 94-13-3 35285-69-9 36457-20-2 38566-94-8 84930-16-5	202-318-7 202-307-7 252-488-1 253-049-7 254-009-1 284-597-5		0,14 % (as acid) for the sum of the individual concentrations 0,8 % (as acid) for mixtures of substances mentioned in entry 12 and 12a, where the sum of the individual concentrations of butyl- and propylparaben and their salts does not exceed 0,14 %	Not to be used in leave-on products designed for application on the nappy area of children under three years of age: 'Do not use on the nappy area'	For leave-on products designed for children under three years of age: 'Do not use on the nappy area'
13	3-Acetyl-6-methylpyran-2,4 (3H)-dione and its salts	Dehydroacetic acid, sodium dehydroacetate	520-45-6, 4418-26-2, 16807-48-0	208-293-9, 224-580-1		0,6 % (as acid)	Not to be used in aerosol dispensers (sprays)	

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
14	Formic acid and its sodium salt	Formic acid, sodium formate	64-18-6, 141-53-7	200-579-1, 205-488-0		0,5 % (as acid)		
15	3,3'-Dibromo-4,4'-hexamethylene-dioxydi-benzamidine and its salts (including isethionate)	Dibromohexamidine Isethionate	93856-83-8	299-116-4		0,1 %		
16	Thiomersal	Thimerosal	54-64-8	200-210-4	Eye products	0,007 % (of Hg) If mixed with other mercurial compounds authorised by this Regulation, the maximum concentration of Hg remains fixed at 0,007 %		Contains Thiomersal
17	Phenylmercuric salts (including borate)	Phenyl Mercuric Acetate, Phenyl Mercuric Benzoate	62-38-4, 94-43-9	200-532-5, 202-331-8	Eye products	0,007 % (of Hg) If mixed with other mercurial compounds authorised by this Regulation, the maximum concentration of Hg remains fixed at 0,007 %		Contains Phenylmercuric compounds

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
18	Undec-10-enoic acid and its salts	Undecylenic acid, potassium undecyl- enate, sodium undecyl- enate, calcium undecyl- enate, TEA-undecyl- enate, MEA-unde- cylenate	112-38-9, 6159-41-7, 3398-33-2, 1322-14-1, 84471-25-0, 56532- 40-2	203-965-8, 222-264-8, 215-331-8, 282-908-9, 260-247-7		0,2 % (as acid)		
19	5- Pyrimidinamine, 1,3-bis (2-ethylhexyl) hexahydro-5-methyl-	Hexetidine	141-94-6	205-513-5		0,1 %		
20	5-Bromo-5-nitro-1,3-dioxane	5-Bromo-5-nitro-1,3-dioxane	30007-47-7	250-001-7	Rinse-off products	0,1 %	Avoid formation of nitrosamines	
21	Bronopol	2-Bromo-2-nitro- propane-1,3-diol	52-51-7	200-143-0		0,1 %	Avoid formation of nitrosamines	
22	2,4-Dichlorobenzyl alcohol	Dichlorobenzyl Alcohol	1777-82-8	217-210-5		0,15 %		
23	1-(4-Chlorophenyl)-3-(3,4-dichlorophenyl) urea <sup>(6)</sup>	Triclocarban	101-20-2	202-924-1		0,2 %	Purity criteria: 3,3',4,4'-Tetrachloroazobenzene <1 ppm 3,3',4,4'-Tetrachloroazoxybenzene <1 ppm	

**▼B**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
24	Chlorocresol	p-Chloro-m-Cresol	59-50-7	200-431-6	Not to be used in products applied on mucuous membranes	0,2 %		
25	5-Chloro-2- (2,4-dichlorophenoxy) phenol	Triclosan	3380-34-5	222-182-2	(a) Toothpastes Hand soaps Body soaps/ Shower gels Deodorants (non-spray) Face powders and blemish concealers Nail products for cleaning the fingernails and toenails before the application of artificial nail systems  (b) Mouthwashes	(a) 0,3 %  (b) 0,2 %		

**▼M5**

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
26	Chloro-xylenol	Chloroxylenol	88-04-0	201-793-8		0,5 %		
27	N,N"-methylene-bis[N'-{3-(hydroxy-methyl)-2,5-dioxoimidazolidin-4-yl]urea]	Imidazolidinyl urea	39236-46-9	254-372-6		0,6 %		
28	Poly(methyl-ene),.alpha.,.omega.-bis[[[(aminoimino-methyl)amino]imino-methyl] amino]-, dihydrochloride	Polyaminopropyl biguanide	70170-61-5, 28757-47-3, 133029-32-0			0,3 %		
29	2-Phenoxyethanol	Phenoxyethanol	122-99-6	204-589-7		1,0 %		
30	Methenamine	Methenamine	100-97-0	202-905-8		0,15 %		
31	Methenamine 3-chloroallylochloride	Quaternium-15	4080-31-3	223-805-0		0,2 %		

**▼B**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
32	1-(4-Chlorophenoxy)-1-(imidazol-1-yl)-3,3-dimethylbutan-2-one	Climbazole	38083-17-9	253-775-4		0,5 %		
33	1,3-Bis (hydroxy-methyl)-5,5-dimethyl-imidazolidine-2,4-dione	DMDM Hydantoin	6440-58-0	229-222-8		0,6 %		
34	Benzyl alcohol <sup>(7)</sup>	Benzyl Alcohol	100-51-6	202-859-9		1,0 %		
35	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl) 2-pyridon and its monoethanolamine salt	1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl) 2-pyridon, Piroctone Olamine	50650-76-5, 68890-66-4	272-574-2	Rinse-off products Other products	1,0 % 0,5 %		
36	Moved or deleted							
37	2,2'-methylenebis(6-bromo-4-chlorophenol)	Bromochlorophene	15435-29-7	239-446-8		0,1 %		
38	4-Isopropyl-m-cresol	o-Cymen-5-ol	3228-02-2	221-761-7		0,1 %		

**▼B**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
<b>▼M7</b>								
39	Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one	Methylchloroisothiazolinone (and) Methylisothiazolinone (¹⁷)	26172-55-4, 2682-20-4, 55965-84-9	247-500-7, 220-239-6	Rinse-off products	0,0015 % (of a mixture in the ratio 3:1 of 5-chloro-2-methylisothiazol 3(2H)-one and 2-methylisothiazol-3 (2H)-one)		
<b>▼B</b>								
40	2-Benzyl-4-chlorophenol	Chlorophene	120-32-1	204-385-8		0,2 %		
41	2-Chloroacetamide	Chloroacetamide	79-07-2	201-174-2		0,3 %		Contains chloroacetamide
42	N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine and its digluconate, diacetate and dihydrochloride	Chlorhexidine, Chlorhexidine Diacetate, Chlorhexidine Digluconate, Chlorhexidine Dihydrochloride	55-56-1, 56-95-1, 18472-51-0, 3697-42-5	200-238-7, 200-302-4, 242-354-0, 223-026-6		0,3 % (as chlorhexidine)		
43	1-Phenoxypropan-2-ol (⁸)	Phenoxyisopropanol	770-35-4	212-222-7	Only for rinse-off products	1,0 %		
<b>▼M6</b> <b>▼C2</b>								
44	Alkyl (C <sub>12-22</sub> ) trimethyl ammonium bromide and chloride	Behentrimonium chloride (¹⁵), cetrimonium bromide, cetrimonium chloride (¹⁶), laurtrimonium bromide, laurtrimonium chloride,	17301-53-0, 57-09-0, 112-02-7, 1119-94-4, 112-00-5,	241-327-0, 200-311-3, 203-928-6, 214-290-3, 203-927-0,		0,1 %		

**▼C2**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
		steartrimonium bromide, steartrimonium chloride (16)	1120-02-1, 112-03-8	214-294-5, 203-929-1				
▼B								
45	4,4-Dimethyl-1,3-oxazolidine	Dimethyl Oxazolidine	51200-87-4	257-048-2		0,1 %	pH > 6	
46	N-(Hydroxymethyl)-N-(dihydroxymethyl)-1,3-dioxo-2,5-imidazolidinyl-4)-N'-(hydroxymethyl) urea	Diazolidinyl Urea	78491-02-8	278-928-2		0,5 %		
47	Benzene carboximidamide, 4,4'-(1,6-hexanediylibis (oxy))bis- and its salts (including isethionate and p-hydroxybenzoate)	Hexamidine, Hexamidine diisethionate, Hexamidine paraben	3811-75-4, 659-40-5, 93841-83-9	211-533-5, 299-055-3		0,1 %		
48	Glutaraldehyde (Pentane-1,5-dial)	Glutaral	111-30-8	203-856-5		0,1 %	Not to be used in aerosols (sprays)	Contains glutaral (9)
49	5-Ethyl-3,7-dioxa-1-azabicyclo [3.3.0] octane	7-Ethylbicyclo-oxazolidine	7747-35-5	231-810-4		0,3 %	Not to be used in oral products and in products applied on mucous membranes	
50	3-(p-Chlorophenoxy)-propane-1,2 diol	Chlorphenesin	104-29-0	203-192-6		0,3 %		

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
51	Sodium hydroxy-methylamino acetate	Sodium Hydroxy-methylglycinate	70161-44-3	274-357-8		0,5 %		
52	Silver chloride deposited on titanium dioxide	Silver chloride	7783-90-6	232-033-3		0,004 % (as AgCl)	20 % AgCl (w/w) on TiO <sub>2</sub> . Not to be used in products for children under 3 years of age, in oral products and in eye and lip products	
53	Benzenemethanaminium, N,N-dimethyl-N-[2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy]ethyl]-, chloride	Benzethonium Chloride	121-54-0	204-479-9	(a) Rinse-off products (b) Leave-on products other than oral products	0,1 %		
54	Benzalkonium chloride, bromide and saccharinate <sup>(10)</sup>	Benzalkonium chloride, benzalkonium bromide, benzalkonium saccharinate	8001-54-5, 63449-41-2, 91080-29-4, 68989-01-5, 68424-85-1, 68391-01-5, 61789-71-7, 85409-22-9	264-151-6, 293-522-5, 273-545-7, 270-325-2, 269-919-4, 263-080-8, 287-089-1		0,1 % (as benzalkonium chloride)		Avoid contact with eyes

**▼B**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
55	Methanol, (phenylmethoxy-)	Benzylhemiformal	14548-60-8	238-588-8	Rinse-off products	0,15 %		
56	3-Iodo-2-propynylbutylcarbamate	Iodopropynyl butylcarbamate	55406-53-6	259-627-5	(a) Rinse-off products  (b) Leave-on products  (c) Deo-dorants/ anti-perspirants	(a) 0,02 %  (b) 0,01 %,  (c) 0,0075 %	Not to be used in oral and lip products  (a) Not to be used in products for children under 3 years of age, except in bath products/ shower gels and shampoo  (b) Not to be used in body lotion and body cream ( <sup>13</sup> )  (b) and (c) Not to be used in products for children under 3 years of age	(a) Not to be used for children under 3 years of age ( <sup>11</sup> )  (b) and (c) Not to be used for children under 3 years of age ( <sup>12</sup> )
57	2-Methyl-2H-isothiazol-3-one	Methylisothiazolinone ( <sup>18</sup> )	2682-20-4	220-239-6		0,01 %		

## ▼B

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, Body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
<b>▼M1</b>	58	Ethyl-N-alpha-dodecanoyle-L-arginate hydrochloride <sup>(14)</sup>	Ethyl Lauroyl Arginate HCl	60372-77-2	434-630-6	0,4 %	Not to be used in lip products, oral products and spray products	
<b>▼M6</b> <b>▼C2</b>	59	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, monohydrate and 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, silver(1+) salt, monohydrate	Citric acid (and) Silver citrate	—	460-890-5	0,2 %, corresponding to 0,0024 % of silver	Not to be used in oral products and eye products	

## ▼B

(<sup>1</sup>) For use other than as a preservative, see Annex III, No. 98.

(<sup>2</sup>) Solely for products which might be used for children under 3 years of age and which remain in prolonged contact with the skin.

(<sup>3</sup>) For use other than as a preservative, see Annex III, No. 13.

(<sup>4</sup>) For use other than as a preservative, see Annex III, No. 101.

(<sup>5</sup>) For use other than as a preservative, see Annex III, No. 99.

(<sup>6</sup>) For use other than as a preservative, see Annex III, No. 100.

►M1 (<sup>7</sup>) For other uses than preservatives, see Annex III, entry No 45. ◀

(<sup>8</sup>) For use other than as a preservative, see Annex III, No. 54.

(<sup>9</sup>) Only if the concentration exceeds 0,05 %.

(<sup>10</sup>) For use other than as a preservative, see Annex III, No. 65.

(<sup>11</sup>) Solely for products, other than bath products/shower gels and shampoo, which might be used for children under 3 years of age.

(<sup>12</sup>) Solely for products which might be used for children under 3 years of age.

(<sup>13</sup>) Concerns any products aimed to be applied on a large part of the body.

►M1 (<sup>14</sup>) For other uses than preservatives, see Annex III, entry No 197. ◀

►M6 ►C2 (<sup>15</sup>) For use other than as a preservative, see Annex III, No 287.

(<sup>16</sup>) For use other than as a preservative, see Annex III, No 286. ◀ ◀

►M7 (<sup>17</sup>) Methylisothiazolinone is also regulated in entry 57. The two entries are mutually exclusive: the use of the mixture of Methylchloroisothiazolinone (and) Methylisothiazolinone is incompatible with the use of Methylisothiazolinone alone in the same product.

(<sup>18</sup>) Methylisothiazolinone is also regulated in entry 39 in a mixture with Methylchloroisothiazolinone. The two entries are mutually exclusive: the use of the mixture of Methylchloroisothiazolinone (and) Methylisothiazolinone is incompatible with the use of Methylisothiazolinone alone in the same product. ◀

**▼B***ANNEX VI***LIST OF UV FILTERS ALLOWED IN COSMETIC PRODUCTS**

Reference number	Substance identification				Conditions			Wording of conditions of use and warnings
	Chemical name/INN/XAN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other	
a	b	c	d	e	f	g	h	i
<b>▼M1</b>	1							
<b>▼B</b>	2	<i>N,N,N-Trimethyl-4-(2-oxoborn-3-ylidenemethyl) anilinium methyl sulfate</i>	Camphor Benzalkonium Methosulfate	52793-97-2	258-190-8	6 %		
	3	Benzoic acid, 2-hydroxy-, 3,3,5-trimethylcyclohexyl ester/Homosalate	Homosalate	118-56-9	204-260-8	10 %		
	4	2-Hydroxy-4-methoxybenzophenone/Oxybenzone	Benzophenone-3	131-57-7	205-031-5	10 %		Contains Benzophenone-3 (¹)
	5	Moved or deleted						
	6	2-Phenylbenzimidazole-5-sulfonic acid and its potassium, sodium and triethanolamine salts/Ensulizole	Phenylbenzimidazole Sulfonic Acid	27503-81-7	248-502-0	8 %(as acid)		
	7	3,3'-(1,4-Phenylenedimethylene) bis(7, 7-dimethyl-2-oxobicyclo-[2.2.1]hept-1-yl-methanesulfonic acid) and its salts/Ecamsule	Terephthalylidene Dicamphor Sulfonic Acid	92761-26-7, 90457-82-2	410-960-6	10 %(as acid)		

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical name/INN/XAN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
a	b	c	d	e	f	g	h	i	
8	1-(4-tert-Butylphenyl)-3-(4-methoxyphenyl)propane-1,3-dione/ Avobenzone	Butyl Methoxydibenzoylmethane	70356-09-1	274-581-6		5 %			
9	alpha-(2-Oxoborn-3-ylidene)-toluene-4-sulphonic acid and its salts	Benzylidene Camphor Sulfonic Acid	56039-58-8			6 % (as acid)			
10	2-Cyano-3,3-diphenyl acrylic acid, 2-ethylhexyl ester/Octocrilene	Octocrylene	6197-30-4	228-250-8		10 % (as acid)			
11	Polymer of N-{(2 and 4)-[(2-oxoborn-3-ylidene)methyl]benzyl} acrylamide	Polyacrylamidomethyl Benzylidene Camphor	113783-61-2			6 %			
12	2-Ethylhexyl 4-methoxycinnamate/ Octinoxate	Ethylhexyl Methoxycinnamate	5466-77-3	226-775-7		10 %			
13	Ethoxylated ethyl-4-aminobenzoate	PEG-25 PABA	116242-27-4			10 %			
14	Isopentyl-4-methoxycinnamate/ Amiloxate	Isoamyl p-Methoxycinnamate	71617-10-2	275-702-5		10 %			
15	2,4,6-Trianiino-(p-carbo-2'-ethylhexyl-1'-oxy)-1,3,5-triazine	Ethylhexyl Triazole	88122-99-0	402-070-1		5 %			
16	Phenol,2-(2H-benzotriazol-2-yl)-4-methyl-6-(2-methyl-3-(1,3,3,3-tetramethyl-1-(trimethylsilyl)oxy)-disiloxanyl)propyl	Drometrizole Trisiloxane	155633-54-8			15 %			

## ▼B

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical name/INN/XAN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
a	b	c	d	e	f	g	h	i	
17	Benzoic acid, 4,4-(((6-((4-(((1,1-dimethylethyl)amino)carbonyl)phenyl)amino)-1,3,5-triazine-2,4-diyl)diimino)bis-, bis (2-ethylhexyl)ester/Iscotrizinol (USAN)	Diethylhexyl Butamido Triazone	154702-15-5			10 %			
18	3-(4-Methylbenzylidene)-d1 camphor/Enzacamene	4-Methylbenzylidene Camphor	38102-62-4/36861-47-9	- / 253-242-6		4 %			
19	3-Benzylidene camphor	3-Benzylidene Camphor	15087-24-8	239-139-9		2 %			
20	2-Ethylhexyl salicylate/Octisalate	Ethylhexyl Salicylate	118-60-5	204-263-4		5 %			
21	2-Ethylhexyl 4-(dimethylamino)benzoate/Padimate O (USAN:BAN)	Ethylhexyl Dimethyl PABA	21245-02-3	244-289-3		8 %			
22	2-Hydroxy-4-methoxybenzophenone-5-sulfonic acid and its sodium salt/ Sulisobenzone	Benzophenone-4, Benzophenone-5	4065-45-6/6628-37-1	223-772-2 / -		5 % (as acid)			
23	2,2'-Methylene-bis(6-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol) / Bisoctrizole	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	103597-45-1	403-800-1		10 %			
24	Sodium salt of 2,2'-bis(1,4-phenylene)-1H-benzimidazole-4,6-disulfonic acid) / Bidisulizole disodium (USAN)	Disodium Phenyl Dibenzimidazole Tetrasulfonate	180898-37-7	429-750-0		10 % (as acid)			
25	2,2'-(6-(4-Methoxyphenyl)-1,3,5-triazine-2,4-diyl)bis(5-((2-ethylhexyl)oxy)phenol) / Bemotrizinol	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	187393-00-6			10 %			
26	Dimethicodiethylbenzalmalonate	Polysilicone-15	207574-74-1	426-000-4		10 %			

**▼B**

Reference number	Substance identification					Conditions			Wording of conditions of use and warnings
	Chemical name/INN/XAN	Name of Common Ingredients Glossary	CAS number	EC number	Product type, body parts	Maximum concentration in ready for use preparation	Other		
a	b	c	d	e	f	g	h	i	
27	Titanium dioxide (2)	Titanium Dioxide	13463-67-7/ 1317-70-0/ 1317-80-2	236-675-5/ 205-280-1/ 215-282-2		25 %			
<b>▼M1</b>									
28	Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-. Hexylester	Diethylamino Hydroxy benzoyl Hexyl Benzoate	302776-68-7	443-860-6		10 %			
<b>▼M6</b>									
<b>▼C2</b>									
29	1,3,5-Triazine, 2,4,6-tris[1,1'-biphenyl]-4-yl-, including as nano-material	Tris-biphenyl triazine Tris-biphenyl triazine (nano)	31274-51-8	—		10 %	Not to be used in sprays. Only nano-materials having the following characteristics are allowed: — median primary particle size > 80 nm; — Purity ≥ 98 %; — Uncoated		

**▼B**

(1) Not required if concentration is 0,5 % or less and when it is used only for product protection purposes.

(2) For use other than as a colorant, see Annex IV, No. 143.

**▼B**

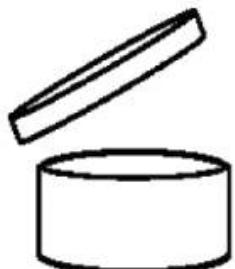
*ANNEX VII*

**SYMBOLS USED ON PACKAGING/CONTAINER**

1. Reference to enclosed or attached information



2. Period-after-opening



3. Date of minimum durability



**▼B***ANNEX VIII***LIST OF VALIDATED ALTERNATIVE METHODS TO ANIMAL TESTING**

This Annex lists the alternative methods validated by the European Centre on Validation of Alternative Methods (ECVAM) of the Joint Research Centre available to meet the requirements of this Regulation and which are not listed in Commission Regulation (EC) No 440/2008 of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). As animal testing may not be replaced completely by an alternative method, it should be mentioned in Annex VIII whether the alternative method fully or partially replaces animal testing.

Reference number	Validated alternative methods	Nature of replacement full or partial
A	B	C

**▼B***ANNEX IX*

## PART A

**Repealed Directive with its successive amendments****(referred to in Article 33)**

Council Directive 76/768/EEC of 27 July 1976 (OJ L 262, 27.9.1976, p. 169)

Council Directive 79/661/EEC of 24 July 1979 (OJ L 192, 31.7.1979, p. 35)

Commission Directive 82/147/EEC of 11 February 1982 (OJ L 63, 6.3.1982, p. 26)

Council Directive 82/368/EEC of 17 May 1982 (OJ L 167, 15.6.1982, p. 1)

Commission Directive 83/191/EEC of 30 March 1983 (OJ L 109, 26.4.1983, p. 25)

Commission Directive 83/341/EEC of 29 June 1983 (OJ L 188, 13.7.1983, p. 15)

Commission Directive 83/496/EEC of 22 September 1983 (OJ L 275, 8.10.1983, p. 20)

Council Directive 83/574/EEC of 26 October 1983 (OJ L 332, 28.11.1983, p. 38)

Commission Directive 84/415/EEC of 18 July 1984 (OJ L 228, 25.8.1984, p. 31)

Commission Directive 85/391/EEC of 16 July 1985 (OJ L 224, 22.8.1985, p. 40)

Commission Directive 86/179/EEC of 28 February 1986 (OJ L 138, 24.5.1986, p. 40)

Commission Directive 86/199/EEC of 26 March 1986 (OJ L 149, 3.6.1986, p. 38)

Commission Directive 87/137/EEC of 2 February 1987 (OJ L 56, 26.2.1987, p. 20)

Commission Directive 88/233/EEC of 2 March 1988 (OJ L 105, 26.4.1988, p. 11)

Council Directive 88/667/EEC of 21 December 1988 (OJ L 382, 31.12.1988, p. 46)

Commission Directive 89/174/EEC of 21 February 1989 (OJ L 64, 8.3.1989, p. 10)

Council Directive 89/679/EEC of 21 December 1989 (OJ L 398, 30.12.1989, p. 25)

Commission Directive 90/121/EEC of 20 February 1990 (OJ L 71, 17.3.1990, p. 40)

Commission Directive 91/184/EEC of 12 March 1991 (OJ L 91, 12.4.1991, p. 59)

**▼B**

Commission Directive 92/8/EEC of 18 February 1992 (OJ L 70, 17.3.1992, p. 23)

Commission Directive 92/86/EEC of 21 October 1992 (OJ L 325, 11.11.1992, p. 18)

Council Directive 93/35/EEC of 14 June 1993 (OJ L 151, 23.6.1993, p. 32)

Commission Directive 93/47/EEC of 22 June 1993 (OJ L 203, 13.8.1993, p. 24)

Commission Directive 94/32/EC of 29 June 1994 (OJ L 181, 15.7.1994, p. 31)

Commission Directive 95/17/EC of 19 June 1995 (OJ L 140, 23.6.1995, p. 26)

Commission Directive 95/34/EC of 10 July 1995 (OJ L 167, 18.7.1995, p. 19)

Commission Directive 96/41/EC of 25 June 1996 (OJ L 198, 8.8.1996, p. 36)

Commission Directive 97/1/EC of 10 January 1997 (OJ L 16, 18.1.1997, p. 85)

Commission Directive 97/18/EC of 17 April 1997 (OJ L 114, 1.5.1997, p. 43)

Commission Directive 97/45/EC of 14 July 1997 (OJ L 196, 24.7.1997, p. 77)

Commission Directive 98/16/EC of 5 March 1998 (OJ L 77, 14.3.1998, p. 44)

Commission Directive 98/62/EC of 3 September 1998 (OJ L 253, 15.9.1998, p. 20)

Commission Directive 2000/6/EC of 29 February 2000 (OJ L 56, 1.3.2000, p. 42)

Commission Directive 2000/11/EC of 10 March 2000 (OJ L 65, 14.3.2000, p. 22)

Commission Directive 2000/41/EC of 19 June 2000 (OJ L 145, 20.6.2000, p. 25)

Commission Directive 2002/34/EC of 15 April 2002 (OJ L 102, 18.4.2002, p. 19)

Commission Directive 2003/1/EC of 6 January 2003 (OJ L 5, 10.1.2003, p. 14)

Commission Directive 2003/16/EC of 19 February 2003 (OJ L 46, 20.2.2003, p. 24)

Directive 2003/15/EC of the European Parliament and of the Council of 27 February 2003 (OJ L 66, 11.3.2003, p. 26)

Commission Directive 2003/80/EC of 5 September 2003 (OJ L 224, 6.9.2003, p. 27)

**▼B**

Commission Directive 2003/83/EC of 24 September 2003 (OJ L 238, 25.9.2003, p. 23)

Commission Directive 2004/87/EC of 7 September 2004 (OJ L 287, 8.9.2004, p. 4)

Commission Directive 2004/88/EC of 7 September 2004 (OJ L 287, 8.9.2004, p. 5)

Commission Directive 2004/94/EC of 15 September 2004 (OJ L 294, 17.9.2004, p. 28)

Commission Directive 2004/93/EC of 21 September 2004 (OJ L 300, 25.9.2004, p. 13)

Commission Directive 2005/9/EC of 28 January 2005 (OJ L 27, 29.1.2005, p. 46)

Commission Directive 2005/42/EC of 20 June 2005 (OJ L 158, 21.6.2005, p. 17)

Commission Directive 2005/52/EC of 9 September 2005 (OJ L 234, 10.9.2005, p. 9)

Commission Directive 2005/80/EC of 21 November 2005 (OJ L 303, 22.11.2005, p. 32)

Commission Directive 2006/65/EC of 19 July 2006 (OJ L 198, 20.7.2006, p. 11)

Commission Directive 2006/78/EC of 29 September 2006 (OJ L 271, 30.9.2006, p. 56)

Commission Directive 2007/1/EC of 29 January 2007 (OJ L 25, 1.2.2007, p. 9)

Commission Directive 2007/17/EC of 22 March 2007 (OJ L 82, 23.3.2007, p. 27)

Commission Directive 2007/22/EC of 17 April 2007 (OJ L 101, 18.4.2007, p. 11)

Commission Directive 2007/53/EC of 29 August 2007 (OJ L 226, 30.8.2007, p. 19)

Commission Directive 2007/54/EC of 29 August 2007 (OJ L 226, 30.8.2007, p. 21)

Commission Directive 2007/67/EC of 22 November 2007 (OJ L 305, 23.11.2007, p. 22)

Commission Directive 2008/14/EC of 15 February 2008 OJ L 42, 16.2.2008, p. 43

Commission Directive 2008/42/EC of 3 April 2008 OJ L 93, 4.4.2008, p. 13

Commission Directive 2008/88/EC of 23 September 2008 OJ L 256, 24.9.2008, p. 12

Commission Directive 2008/123/EC of 18 December 2008 OJ L 340, 19.12.2008, p. 71

**▼B**

Commission Directive 2009/6/EC of  
4 February 2009 OJ L 36, 5.2.2009, p. 15

Commission Directive 2009/36/EC of  
16 April 2009 OJ L 98, 17.4.2009, p. 31

**▼B****PART B**

**List of time-limits for transposition into national law and application  
(referred to in Article 33)**

Directive	Time-limit for transposition
Council Directive 76/768/EEC of 27 July 1976	30.1.1978
Council Directive 79/661/EEC of 24 July 1979	30.7.1979
Commission Directive 82/147/EEC of 11 February 1982	31.12.1982
Council Directive 82/368/EEC of 17 May 1982	31.12.1983
Commission Directive 83/191/EEC of 30 March 1983	31.12.1984
Commission Directive 83/341/EEC of 29 June 1983	31.12.1984
Commission Directive 83/496/EEC of 22 September 1983	31.12.1984
Council Directive 83/574/EEC of 26 October 1983	31.12.1984
Commission Directive 84/415/EEC of 18 July 1984	31.12.1985
Commission Directive 85/391/EEC of 16 July 1985	31.12.1986
Commission Directive 86/179/EEC of 28 February 1986	31.12.1986
Commission Directive 86/199/EEC of 26 March 1986	31.12.1986
Commission Directive 87/137/EEC of 2 February 1987	31.12.1987
Commission Directive 88/233/EEC of 2 March 1988	30.9.1988
Council Directive 88/667/EEC of 21 December 1988	31.12.1993
Commission Directive 89/174/EEC of 21 February 1989	31.12.1989
Council Directive 89/679/EEC of 21 December 1989	3.1.1990
Commission Directive 90/121/EEC of 20 February 1990	31.12.1990
Commission Directive 91/184/EEC of 12 March 1991	31.12.1991
Commission Directive 92/8/EEC of 18 February 1992	31.12.1992
Commission Directive 92/86/EEC of 21 October 1992	30.6.1993
Council Directive 93/35/EEC of 14 June 1993	14.6.1995
Commission Directive 93/47/EEC of 22 June 1993	30.6.1994
Commission Directive 94/32/EC of 29 June 1994	30.6.1995
Commission Directive 95/17/EC of 19 June 1995	30.11.1995
Commission Directive 95/34/EC of 10 July 1995	30.6.1996
Commission Directive 96/41/EC of 25 June 1996	30.6.1997

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Directive	Time-limit for transposition
Commission Directive 97/1/EC of 10 January 1997	30.6.1997
Commission Directive 97/18/EC of 17 April 1997	31.12.1997
Commission Directive 97/45/EC of 14 July 1997	30.6.1998
Commission Directive 98/16/EC of 5 March 1998	1.4.1998
Commission Directive 98/62/EC of 3 September 1998	30.6.1999
Commission Directive 2000/6/EC of 29 February 2000	1.7.2000
Commission Directive 2000/11/EC of 10 March 2000	1.6.2000
Commission Directive 2000/41/EC of 19 June 2000	29.6.2000
Commission Directive 2002/34/EC of 15 April 2002	15.4.2003
Commission Directive 2003/1/EC of 6 January 2003	15.4.2003
Commission Directive 2003/16/EC of 19 February 2003	28.2.2003
Directive 2003/15/EC of the European Parliament and of the Council of 27 February 2003	10.9.2004
Commission Directive 2003/80/EC of 5 September 2003	11.9.2004
Commission Directive 2003/83/EC of 24 September 2003	23.9.2004
Commission Directive 2004/87/EC of 7 September 2004	1.10.2004
Commission Directive 2004/88/EC of 7 September 2004	1.10.2004
Commission Directive 2004/94/EC of 15 September 2004	21.9.2004
Commission Directive 2004/93/EC of 21 September 2004	30.9.2004
Commission Directive 2005/9/EC of 28 January 2005	16.2.2006
Commission Directive 2005/42/EC of 20 June 2005	31.12.2005
Commission Directive 2005/52/EC of 9 September 2005	1.1.2006
Commission Directive 2005/80/EC of 21 November 2005	22.5.2006
Commission Directive 2006/65/EC of 19 July 2006	1.9.2006
Commission Directive 2006/78/EC of 29 September 2006	30.3.2007
Commission Directive 2007/1/EC of 29 January 2007	21.8.2007
Commission Directive 2007/17/EC of 22 March 2007	23.9.2007
Commission Directive 2007/22/EC of 17 April 2007	18.1.2008
Commission Directive 2007/53/EC of 29 August 2007	19.4.2008

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Directive	Time-limit for transposition
Commission Directive 2007/54/EC of 29 August 2007	18.3.2008
Commission Directive 2007/67/EC of 22 November 2007	31.12.2007
Commission Directive 2008/14/EC of 15 February 2008	16.8.2008
Commission Directive 2008/42/EC of 3 April 2008	4.10.2008
Commission Directive 2008/88/EC of 23 September 2008	14.2.2009
Commission Directive 2008/123/EC of 18 December 2008	8.7.2009
Commission Directive 2009/6/EC of 4 February 2009	5.8.2009
Commission Directive 2009/36/EC of 16 April 2009	15.11.2009

**▼B***ANNEX X***CORRELATION TABLE**

Directive 76/768/EEC	This Regulation
Article 1	Article 2(1)(a)
Article 2	Article 3
Article 3	—
Article 4(1)	Article 14(1)
Article 4(2)	Article 17
Article 4a	Article 18
Article 4b	Article 15(1)
Article 5	—
Article 5a	Article 33
Article 6(1),(2)	Article 19(1),(2),(3),(4)
Article 6(3)	Article 20
Article 7(1)	Article 9
Article 7(2)	Article 19(5), (6)
Article 7(3)	Article 13
Article 7a (1) (h)	Article 21
Article 7a(1),(2),(3)	Article 10, 11, Annex I
Article 7a(4)	Article 13
Article 7a(5)	Article 29, 34
Article 8(1)	Article 12
Article 8(2)	Article 31
Article 8a	—
Article 9	Article 35
Article 10	Article 32
Article 11	—
Article 12	Article 27
Article 13	Article 28
Article 14	—

**▼B**

Directive 76/768/EEC	This Regulation
Article 15	—
Annex I	Preamble, No. 7
Annex II	Annex II
Annex III	Annex III
Annex IV	Annex IV
Annex V	—
Annex VI	Annex V
Annex VII	Annex VI
Annex VIII	Annex VII
Annex VIIIa	Annex VII
Annex IX	Annex VIII
—	Annex IX
—	Annex X