

## II

(Acts whose publication is not obligatory)

## COMMISSION

## COMMISSION DECISION

of 16 January 2001

amending Decision 2000/532/EC as regards the list of wastes

(notified under document number C(2001) 108)

(Text with EEA relevance)

(2001/118/EC)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

HAS ADOPTED THIS DECISION:

Having regard to the Treaty establishing the European Community,

*Article 1*

Having regard to Council Directive 75/442/EEC of 15 July 1975 on waste<sup>(1)</sup>, as last amended by Commission Decision 96/350/EC<sup>(2)</sup> and in particular Article 1(a) thereof,

Decision 2000/532/EC is amended as follows:

1. Article 2 is replaced by the following:

*'Article 2*

Wastes classified as hazardous are considered to display one or more of the properties listed in Annex III to Directive 91/689/EEC and, as regards H3 to H8, H10(\*) and H11 of the said Annex, one or more of the following characteristics:

Whereas:

- flash point  $\leq 55$  °C,
- one or more substances classified(\*\*) as very toxic at a total concentration  $\geq 0,1$  %,
- one or more substances classified as toxic at a total concentration  $\geq 3$  %,
- one or more substances classified as harmful at a total concentration  $\geq 25$  %,
- one or more corrosive substances classified as R35 at a total concentration  $\geq 1$  %,
- one or more corrosive substances classified as R34 at a total concentration  $\geq 5$  %,
- one or more irritant substances classified as R41 at a total concentration  $\geq 10$  %,
- one or more irritant substances classified as R36, R37, R38 at a total concentration  $\geq 20$  %,

(1) Commission Decision 2000/532/EC of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste, and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste<sup>(5)</sup> should be amended in the light of the notifications from Member States pursuant to Article 1(4), second indent, of Directive 91/689/EEC.

(2) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 18 of Directive 75/442/EEC,

<sup>(1)</sup> OJ L 78, 26.3.1991, p. 32.

<sup>(2)</sup> OJ L 135, 6.6.1996, p. 32.

<sup>(3)</sup> OJ L 377, 31.12.1991, p. 20.

<sup>(4)</sup> OJ L 168, 2.7.1994, p. 28.

<sup>(5)</sup> OJ L 226, 6.9.2000, p. 3.

- one substance known to be carcinogenic of category 1 or 2 at a concentration  $\geq 0,1$  %,
- one substance known to be carcinogenic of category 3 at a concentration  $\geq 1$  %
- one substance toxic for reproduction of category 1 or 2 classified as R60, R61 at a concentration  $\geq 0,5$  %,
- one substance toxic for reproduction of category 3 classified as R62, R63 at a concentration  $\geq 5$  %,
- one mutagenic substance of category 1 or 2 classified as R46 at a concentration  $\geq 0,1$  %,
- one mutagenic substance of category 3 classified as R40 at a concentration  $\geq 1$  %.

(\*) In Directive 92/32/EEC amending for the seventh time Directive 67/548/EEC the term "toxic for reproduction" was introduced. The term "teratogenic" was replaced by a corresponding term "toxic for reproduction". This term is considered to be in line with property H10 in Annex III to Directive 91/689/EEC.

(\*\*) The classification as well as the R numbers refer to Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (OJ L 196, 16.8.1967, p. 1.) and

its subsequent amendments. The concentration limits refer to those laid down in Directive 88/379/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (OJ L 187, 16.7.1988, p. 14.) and its subsequent amendments.'

2. The Annex is replaced by the text in the Annex to this Decision.

*Article 2*

This Decision shall apply from 1 January 2002.

*Article 3*

This Decision is addressed to the Member States.

Done at Brussels, 16 January 2001.

*For the Commission*

Margot WALLSTRÖM

*Member of the Commission*

## ANNEX

## 'ANNEX

**List of wastes pursuant to Article 1(a) of Directive 75/442/EEC on waste and Article 1(4) of Directive 91/689/EEC on hazardous waste.***Introduction*

1. The present list is a harmonised list of wastes. It will be periodically reviewed on the basis of new knowledge and, in particular, of research results, and if necessary revised in accordance with Article 18 of Directive 75/442/EEC. However, the inclusion of a material in the list does not mean that the material is a waste in all circumstances. Materials are considered to be waste only where the definition of waste in Article 1(a) of Directive 75/442/EEC is met.
2. Wastes included in the list are subject to the provisions of Directive 75/442/EEC except where Article 2(1)(b) of this Directive applies.
3. The different types of wastes in the list are fully defined by the six-digit code for the waste and the respective two-digit and four-digit chapter headings. This implies that the following steps should be taken to identify a waste in the list.
  - 3.1. Identify the source generating the waste in chapters 01 to 12 or 17 to 20 and identify the appropriate six-digit code of the waste (excluding codes ending with 99 of these chapters). A specific production unit may need to classify its activities in several chapters. For instance, a car manufacturer may find its wastes listed in chapters 12 (wastes from shaping and surface treatment of metals), 11 (inorganic wastes containing metals from metal treatment and the coating of metals) and 08 (wastes from the use of coatings), depending on the different process steps.

Note: separately collected packaging waste (including mixtures of different packaging materials) shall be classified in 15 01, not in 20 01.

- 3.2. If no appropriate waste code can be found in chapters 01 to 12 or 17 to 20, the chapters 13, 14 and 15 must be examined to identify the waste.
- 3.3. If none of these waste codes apply, the waste must be identified according to chapter 16.
- 3.4. If the waste is not in chapter 16 either, the 99 code (wastes not otherwise specified) must be used in the section of the list corresponding to the activity identified in step one.
4. Any waste marked with an asterisk (\*) is considered as a hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that Directive unless Article 1(5) of that Directive applies.
5. For the purpose of this Decision, "dangerous substance" means any substance that has been or will be classified as dangerous in Directive 67/548/EEC and its subsequent amendments; "heavy metal" means any compound of antimony, arsenic, cadmium, chromium(VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as dangerous substances.
6. If a waste is identified as hazardous by a specific or general reference to dangerous substances, the waste is hazardous only if the concentrations of those substances are such (i.e. percentage by weight) that the waste presents one or more of the properties listed in Annex III to Council Directive 91/689/EEC. As regards H3 to H8, H10 and H11, Article 2 of this Decision shall apply. For the characteristics H1, H2, H9 and H12 to H14 Article 2 of the present Decision does not provide specifications at present.
7. In line with Directive 1999/45/EC, which states in its preamble that the case of alloys has been considered to need further assessment because the characteristics of alloys are such that it may not be possible accurately to determine their properties using currently available conventional methods, the provisions of Article 2 would not apply to pure metal alloys (not contaminated by dangerous substances). This will be so pending further work that the Commission and Member States have taken the commitment to undertake on the specific approach of the classification of alloys. The waste materials which are specifically enumerated in this list, shall remain classified as at present.
8. The following rules for numbering of the items in the list have been used: For those wastes that were not changed, the code numbers from Commission Decision 94/3/EC have been used. The codes for wastes that were changed have been deleted and remain unused in order to avoid confusion after implementation of the new list. Wastes added have been given a code that has not been used in Commission Decision 94/3/EC and Commission Decision 2000/532/EC.

## INDEX

**Chapters of the list**

- 01 Wastes resulting from exploration, mining, quarrying, physical and chemical treatment of minerals
- 02 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
- 03 Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
- 04 Wastes from the leather, fur and textile industries
- 05 Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
- 06 Wastes from inorganic chemical processes
- 07 Wastes from organic chemical processes
- 08 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
- 09 Wastes from the photographic industry
- 10 Wastes from thermal processes
- 11 Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
- 12 Wastes from shaping and physical and mechanical surface treatment of metals and plastics
- 13 Oil wastes and wastes of liquid fuels (except edible oils, 05 and 12)
- 14 Waste organic solvents, refrigerants and propellants (except 07 and 08)
- 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
- 16 Wastes not otherwise specified in the list
- 17 Construction and demolition wastes (including excavated soil from contaminated sites)
- 18 Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
- 19 Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
- 20 Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions

- 01 WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
- 01 01 wastes from mineral excavation**
- 01 01 01 wastes from mineral metalliferous excavation
- 01 01 02 wastes from mineral non-metalliferous excavation
- 01 03 wastes from physical and chemical processing of metalliferous minerals**
- 01 03 04\* acid-generating tailings from processing of sulphide ore
- 01 03 05\* other tailings containing dangerous substances
- 01 03 06 tailings other than those mentioned in 01 03 04 and 01 03 05
- 01 03 07\* other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals
- 01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07
- 01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 07
- 01 03 99 wastes not otherwise specified
- 01 04 wastes from physical and chemical processing of non-metalliferous minerals**
- 01 04 07\* wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals
- 01 04 08 waste gravel and crushed rocks other than those mentioned in 01 04 07
- 01 04 09 waste sand and clays
- 01 04 10 dusty and powdery wastes other than those mentioned in 01 04 07
- 01 04 11 wastes from potash and rock salt processing other than those mentioned in 01 04 07
- 01 04 12 tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
- 01 04 13 wastes from stone cutting and sawing other than those mentioned in 01 04 07
- 01 04 99 wastes not otherwise specified
- 01 05 drilling muds and other drilling wastes**
- 01 05 04 freshwater drilling muds and wastes
- 01 05 05\* oil-containing drilling muds and wastes
- 01 05 06\* drilling muds and other drilling wastes containing dangerous substances
- 01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
- 01 05 99 wastes not otherwise specified
- 02 WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING**
- 02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing**
- 02 01 01 sludges from washing and cleaning
- 02 01 02 animal-tissue waste
- 02 01 03 plant-tissue waste
- 02 01 04 waste plastics (except packaging)
- 02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site

- 02 01 07 wastes from forestry
- 02 01 08\* agrochemical waste containing dangerous substances
- 02 01 09 agrochemical waste other than those mentioned in 02 01 08
- 02 01 10 waste metal
- 02 01 99 wastes not otherwise specified
- 02 02 wastes from the preparation and processing of meat, fish and other foods of animal origin**
- 02 02 01 sludges from washing and cleaning
- 02 02 02 animal-tissue waste
- 02 02 03 materials unsuitable for consumption or processing
- 02 02 04 sludges from on-site effluent treatment
- 02 02 99 wastes not otherwise specified
- 02 03 wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation**
- 02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation
- 02 03 02 wastes from preserving agents
- 02 03 03 wastes from solvent extraction
- 02 03 04 materials unsuitable for consumption or processing
- 02 03 05 sludges from on-site effluent treatment
- 02 03 99 wastes not otherwise specified
- 02 04 wastes from sugar processing**
- 02 04 01 soil from cleaning and washing beet
- 02 04 02 off-specification calcium carbonate
- 02 04 03 sludges from on-site effluent treatment
- 02 04 99 wastes not otherwise specified
- 02 05 wastes from the dairy products industry**
- 02 05 01 materials unsuitable for consumption or processing
- 02 05 02 sludges from on-site effluent treatment
- 02 05 99 wastes not otherwise specified
- 02 06 wastes from the baking and confectionery industry**
- 02 06 01 materials unsuitable for consumption or processing
- 02 06 02 wastes from preserving agents
- 02 06 03 sludges from on-site effluent treatment
- 02 06 99 wastes not otherwise specified
- 02 07 wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
- 02 07 01 wastes from washing, cleaning and mechanical reduction of raw materials
- 02 07 02 wastes from spirits distillation
- 02 07 03 wastes from chemical treatment
- 02 07 04 materials unsuitable for consumption or processing

- 02 07 05 sludges from on-site effluent treatment
- 02 07 99 wastes not otherwise specified
  
- 03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD**
  
- 03 01 wastes from wood processing and the production of panels and furniture**
- 03 01 01 waste bark and cork
- 03 01 04\* sawdust, shavings, cuttings, wood, particle board and veneer containing dangerous substances
- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
- 03 01 99 wastes not otherwise specified
  
- 03 02 wastes from wood preservation**
- 03 02 01\* non-halogenated organic wood preservatives
- 03 02 02\* organochlorinated wood preservatives
- 03 02 03\* organometallic wood preservatives
- 03 02 04\* inorganic wood preservatives
- 03 02 05\* other wood preservatives containing dangerous substances
- 03 02 99 wood preservatives not otherwise specified
  
- 03 03 wastes from pulp, paper and cardboard production and processing**
- 03 03 01 waste bark and wood
- 03 03 02 green liquor sludge (from recovery of cooking liquor)
- 03 03 05 de-inking sludges from paper recycling
- 03 03 07 mechanically separated rejects from pulping of waste paper and cardboard
- 03 03 08 wastes from sorting of paper and cardboard destined for recycling
- 03 03 09 lime mud waste
- 03 03 10 fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
- 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10
- 03 03 99 wastes not otherwise specified
  
- 04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
  
- 04 01 wastes from the leather and fur industry**
- 04 01 01 fleshings and lime split wastes
- 04 01 02 liming waste
- 04 01 03\* degreasing wastes containing solvents without a liquid phase
- 04 01 04 tanning liquor containing chromium
- 04 01 05 tanning liquor free of chromium
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges, in particular from on-site effluent treatment free of chromium
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
- 04 01 09 wastes from dressing and finishing
- 04 01 99 wastes not otherwise specified

**04 02 wastes from the textile industry**

- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (for example grease, wax)
- 04 02 14\* wastes from finishing containing organic solvents
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 04 02 16\* dyestuffs and pigments containing dangerous substances
- 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
- 04 02 19\* sludges from on-site effluent treatment containing dangerous substances
- 04 02 20 sludges from on-site effluent treatment other than those mentioned in 04 02 19
- 04 02 21 wastes from unprocessed textile fibres
- 04 02 22 wastes from processed textile fibres
- 04 02 99 wastes not otherwise specified

**05 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL****05 01 wastes from petroleum refining**

- 05 01 02\* desalter sludges
- 05 01 03\* tank bottom sludges
- 05 01 04\* acid alkyl sludges
- 05 01 05\* oil spills
- 05 01 06\* oily sludges from maintenance operations of the plant or equipment
- 05 01 07\* acid tars
- 05 01 08\* other tars
- 05 01 09\* sludges from on-site effluent treatment containing dangerous substances
- 05 01 10 sludges from on-site effluent treatment other than those mentioned in 05 01 09
- 05 01 11\* wastes from cleaning of fuels with bases
- 05 01 12\* oil containing acids
- 05 01 13 boiler feedwater sludges
- 05 01 14 wastes from cooling columns
- 05 01 15\* spent filter clays
- 05 01 16 sulphur-containing wastes from petroleum desulphurisation
- 05 01 17 bitumen
- 05 01 99 wastes not otherwise specified

**05 06 wastes from the pyrolytic treatment of coal**

- 05 06 01\* acid tars
- 05 06 03\* other tars
- 05 06 04 waste from cooling columns
- 05 06 99 wastes not otherwise specified



- 05 07 wastes from natural gas purification and transportation**
- 05 07 01\* wastes containing mercury
- 05 07 02 wastes containing sulphur
- 05 07 99 wastes not otherwise specified
- 06 WASTES FROM INORGANIC CHEMICAL PROCESSES**
- 06 01 wastes from the manufacture, formulation, supply and use (MFSU) of acids**
- 06 01 01\* sulphuric acid and sulphurous acid
- 06 01 02\* hydrochloric acid
- 06 01 03\* hydrofluoric acid
- 06 01 04\* phosphoric and phosphorous acid
- 06 01 05\* nitric acid and nitrous acid
- 06 01 06\* other acids
- 06 01 99 wastes not otherwise specified
- 06 02 wastes from the MFSU of bases**
- 06 02 01\* calcium hydroxide
- 06 02 03\* ammonium hydroxide
- 06 02 04\* sodium and potassium hydroxide
- 06 02 05\* other bases
- 06 02 99 wastes not otherwise specified
- 06 03 wastes from the MFSU of salts and their solutions and metallic oxides**
- 06 03 11\* solid salts and solutions containing cyanides
- 06 03 13\* solid salts and solutions containing heavy metals
- 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
- 06 03 15\* metallic oxides containing heavy metals
- 06 03 16 metallic oxides other than those mentioned in 06 03 15
- 06 03 99 wastes not otherwise specified
- 06 04 metal-containing wastes other than those mentioned in 06 03**
- 06 04 03\* wastes containing arsenic
- 06 04 04\* wastes containing mercury
- 06 04 05\* wastes containing other heavy metals
- 06 04 99 wastes not otherwise specified
- 06 05 sludges from on-site effluent treatment**
- 06 05 02\* sludges from on-site effluent treatment containing dangerous substances
- 06 05 03 sludges from on-site effluent treatment other than those mentioned in 06 05 02
- 06 06 wastes from the MFSU of sulphur chemicals, sulphur chemical processes and desulphurisation processes**
- 06 06 02\* wastes containing dangerous sulphides
- 06 06 03 wastes containing sulphides other than those mentioned in 06 06 02
- 06 06 99 wastes not otherwise specified

- 06 07 wastes from the MFSU of halogens and halogen chemical processes**
- 06 07 01\* wastes containing asbestos from electrolysis
  - 06 07 02\* activated carbon from chlorine production
  - 06 07 03\* barium sulphate sludge containing mercury
  - 06 07 04\* solutions and acids, for example contact acid
  - 06 07 99 wastes not otherwise specified
- 06 08 wastes from the MFSU of silicon and silicon derivatives**
- 06 08 02 wastes containing chlorosilanes
  - 06 08 99 wastes not otherwise specified
- 06 09 wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes**
- 06 09 02 phosphorous slag
  - 06 09 03\* calcium-based reaction wastes containing or contaminated with dangerous substances
  - 06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03
  - 06 09 99 wastes not otherwise specified
- 06 10 wastes from the MFSU of nitrogen chemicals, nitrogen chemical processes and fertiliser manufacture**
- 06 10 02\* wastes containing dangerous substances
  - 06 10 99 wastes not otherwise specified
- 06 11 wastes from the manufacture of inorganic pigments and opacifiers**
- 06 11 01 calcium-based reaction wastes from titanium dioxide production
  - 06 11 99 wastes not otherwise specified
- 06 13 wastes from inorganic chemical processes not otherwise specified**
- 06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides.
  - 06 13 02\* spent activated carbon (except 06 07 02)
  - 06 13 03 carbon black
  - 06 13 04\* wastes from asbestos processing
  - 06 13 05\* soot
  - 06 13 99 wastes not otherwise specified
- 07 WASTES FROM ORGANIC CHEMICAL PROCESSES**
- 07 01 wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
- 07 01 01\* aqueous washing liquids and mother liquors
  - 07 01 03\* organic halogenated solvents, washing liquids and mother liquors
  - 07 01 04\* other organic solvents, washing liquids and mother liquors
  - 07 01 07\* halogenated still bottoms and reaction residues
  - 07 01 08\* other still bottoms and reaction residues
  - 07 01 09\* halogenated filter cakes and spent absorbents
  - 07 01 10\* other filter cakes and spent absorbents
  - 07 01 11\* sludges from on-site effluent treatment containing dangerous substances

- 07 01 12 sludges from on-site effluent treatment other than those mentioned in 07 01 11
- 07 01 99 wastes not otherwise specified
- 07 02 wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
- 07 02 01\* aqueous washing liquids and mother liquors
- 07 02 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 02 04\* other organic solvents, washing liquids and mother liquors
- 07 02 07\* halogenated still bottoms and reaction residues
- 07 02 08\* other still bottoms and reaction residues
- 07 02 09\* halogenated filter cakes and spent absorbents
- 07 02 10\* other filter cakes and spent absorbents
- 07 02 11\* sludges from on-site effluent treatment containing dangerous substances
- 07 02 12 sludges from on-site effluent treatment other than those mentioned in 07 02 11
- 07 02 13 waste plastic
- 07 02 14\* wastes from additives containing dangerous substances
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 16 wastes containing silicones
- 07 02 99 wastes not otherwise specified
- 07 03 wastes from the MFSU of organic dyes and pigments (except 06 11)**
- 07 03 01\* aqueous washing liquids and mother liquors
- 07 03 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 03 04\* other organic solvents, washing liquids and mother liquors
- 07 03 07\* halogenated still bottoms and reaction residues
- 07 03 08\* other still bottoms and reaction residues
- 07 03 09\* halogenated filter cakes and spent absorbents
- 07 03 10\* other filter cakes and spent absorbents
- 07 03 11\* sludges from on-site effluent treatment containing dangerous substances
- 07 03 12 sludges from on-site effluent treatment other than those mentioned in 07 03 11
- 07 03 99 wastes not otherwise specified
- 07 04 wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides**
- 07 04 01\* aqueous washing liquids and mother liquors
- 07 04 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 04 04\* other organic solvents, washing liquids and mother liquors
- 07 04 07\* halogenated still bottoms and reaction residues
- 07 04 08\* other still bottoms and reaction residues
- 07 04 09\* halogenated filter cakes and spent absorbents
- 07 04 10\* other filter cakes and spent absorbents

- 07 04 11\* sludges from on-site effluent treatment containing dangerous substances
- 07 04 12 sludges from on-site effluent treatment other than those mentioned in 07 04 11
- 07 04 13\* solid wastes containing dangerous substances
- 07 04 99 wastes not otherwise specified
- 07 05 wastes from the MFSU of pharmaceuticals**
- 07 05 01\* aqueous washing liquids and mother liquors
- 07 05 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 05 04\* other organic solvents, washing liquids and mother liquors
- 07 05 07\* halogenated still bottoms and reaction residues
- 07 05 08\* other still bottoms and reaction residues
- 07 05 09\* halogenated filter cakes and spent absorbents
- 07 05 10\* other filter cakes and spent absorbents
- 07 05 11\* sludges from on-site effluent treatment containing dangerous substances
- 07 05 12 sludges from on-site effluent treatment other than those mentioned in 07 05 11
- 07 05 13\* solid wastes containing dangerous substances
- 07 05 14 solid wastes other than those mentioned in 07 05 13
- 07 05 99 wastes not otherwise specified
- 07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
- 07 06 01\* aqueous washing liquids and mother liquors
- 07 06 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 06 04\* other organic solvents, washing liquids and mother liquors
- 07 06 07\* halogenated still bottoms and reaction residues
- 07 06 08\* other still bottoms and reaction residues
- 07 06 09\* halogenated filter cakes and spent absorbents
- 07 06 10\* other filter cakes and spent absorbents
- 07 06 11\* sludges from on-site effluent treatment containing dangerous substances
- 07 06 12 sludges from on-site effluent treatment other than those mentioned in 07 06 11
- 07 06 99 wastes not otherwise specified
- 07 07 wastes from the MFSU of fine chemicals and chemical products not otherwise specified**
- 07 07 01\* aqueous washing liquids and mother liquors
- 07 07 03\* organic halogenated solvents, washing liquids and mother liquors
- 07 07 04\* other organic solvents, washing liquids and mother liquors
- 07 07 07\* halogenated still bottoms and reaction residues
- 07 07 08\* other still bottoms and reaction residues
- 07 07 09\* halogenated filter cakes and spent absorbents
- 07 07 10\* other filter cakes and spent absorbents
- 07 07 11\* sludges from on-site effluent treatment containing dangerous substances

- 07 07 12 sludges from on-site effluent treatment other than those mentioned in 07 07 11
- 07 07 99 wastes not otherwise specified
- 08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
- 08 01 wastes from MFSU and removal of paint and varnish**
- 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances
- 08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- 08 01 13\* sludges from paint or varnish containing organic solvents or other dangerous substances
- 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
- 08 01 15\* aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
- 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
- 08 01 17\* wastes from paint or varnish removal containing organic solvents or other dangerous substances
- 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17
- 08 01 19\* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
- 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- 08 01 21\* waste paint or varnish remover
- 08 01 99 wastes not otherwise specified
- 08 02 wastes from MFSU of other coatings (including ceramic materials)**
- 08 02 01 waste coating powders
- 08 02 02 aqueous sludges containing ceramic materials
- 08 02 03 aqueous suspensions containing ceramic materials
- 08 02 99 wastes not otherwise specified
- 08 03 wastes from MFSU of printing inks**
- 08 03 07 aqueous sludges containing ink
- 08 03 08 aqueous liquid waste containing ink
- 08 03 12\* waste ink containing dangerous substances
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 14\* ink sludges containing dangerous substances
- 08 03 15 ink sludges other than those mentioned in 08 03 14
- 08 03 16\* waste etching solutions
- 08 03 17\* waste printing toner containing dangerous substances
- 08 03 18 waste printing toner other than those mentioned in 08 03 17
- 08 03 19\* disperse oil
- 08 03 99 wastes not otherwise specified

- 08 04 wastes from MFSU of adhesives and sealants (including waterproofing products)**
- 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- 08 04 11\* adhesive and sealant sludges containing organic solvents or other dangerous substances
- 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 13\* aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
- 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
- 08 04 15\* aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 08 04 17\* rosin oil
- 08 04 99 wastes not otherwise specified
- 08 05 wastes not otherwise specified in 08**
- 08 05 01\* waste isocyanates
- 09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY**
- 09 01 wastes from the photographic industry**
- 09 01 01\* water-based developer and activator solutions
- 09 01 02\* water-based offset plate developer solutions
- 09 01 03\* solvent-based developer solutions
- 09 01 04\* fixer solutions
- 09 01 05\* bleach solutions and bleach fixer solutions
- 09 01 06\* wastes containing silver from on-site treatment of photographic wastes
- 09 01 07 photographic film and paper containing silver or silver compounds
- 09 01 08 photographic film and paper free of silver or silver compounds
- 09 01 10 single-use cameras without batteries
- 09 01 11\* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
- 09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11
- 09 01 13\* aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
- 09 01 99 wastes not otherwise specified
- 10 WASTES FROM THERMAL PROCESSES**
- 10 01 wastes from power stations and other combustion plants (except 19)**
- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 04\* oil fly ash and boiler dust

- 10 01 05 calcium-based reaction wastes from flue-gas desulphurisation in solid form
- 10 01 07 calcium-based reaction wastes from flue-gas desulphurisation in sludge form
- 10 01 09\* sulphuric acid
- 10 01 13\* fly ash from emulsified hydrocarbons used as fuel
- 10 01 14\* bottom ash, slag and boiler dust from co-incineration containing dangerous substances
- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 16\* fly ash from co-incineration containing dangerous substances
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 18\* wastes from gas cleaning containing dangerous substances
- 10 01 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
- 10 01 20\* sludges from on-site effluent treatment containing dangerous substances
- 10 01 21 sludges from on-site effluent treatment other than those mentioned in 10 01 20
- 10 01 22\* aqueous sludges from boiler cleansing containing dangerous substances
- 10 01 23 aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
- 10 01 24 sands from fluidised beds
- 10 01 25 wastes from fuel storage and preparation of coal-fired power plants
- 10 01 26 wastes from cooling-water treatment
- 10 01 99 wastes not otherwise specified
- 10 02 wastes from the iron and steel industry**
- 10 02 01 wastes from the processing of slag
- 10 02 02 unprocessed slag
- 10 02 07\* solid wastes from gas treatment containing dangerous substances
- 10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07
- 10 02 10 mill scales
- 10 02 11\* wastes from cooling-water treatment containing oil
- 10 02 12 wastes from cooling-water treatment other than those mentioned in 10 02 11
- 10 02 13\* sludges and filter cakes from gas treatment containing dangerous substances
- 10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
- 10 02 15 other sludges and filter cakes
- 10 02 99 wastes not otherwise specified
- 10 03 wastes from aluminium thermal metallurgy**
- 10 03 02 anode scraps
- 10 03 04\* primary production slags
- 10 03 05 waste alumina
- 10 03 08\* salt slags from secondary production
- 10 03 09\* black drosses from secondary production
- 10 03 15\* skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

- 10 03 16 skimmings other than those mentioned in 10 03 15
- 10 03 17\* tar-containing wastes from anode manufacture
- 10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
- 10 03 19\* flue-gas dust containing dangerous substances
- 10 03 20 flue-gas dust other than those mentioned in 10 03 19
- 10 03 21\* other particulates and dust (including ball-mill dust) containing dangerous substances
- 10 03 22 other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
- 10 03 23\* solid wastes from gas treatment containing dangerous substances
- 10 03 24 solid wastes from gas treatment other than those mentioned in 10 03 23
- 10 03 25\* sludges and filter cakes from gas treatment containing dangerous substances
- 10 03 26 sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
- 10 03 27\* wastes from cooling-water treatment containing oil
- 10 03 28 wastes from cooling-water treatment other than those mentioned in 10 03 27
- 10 03 29\* wastes from treatment of salt slags and black drosses containing dangerous substances
- 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
- 10 03 99 wastes not otherwise specified
- 10 04 wastes from lead thermal metallurgy**
- 10 04 01\* slags from primary and secondary production
- 10 04 02\* dross and skimmings from primary and secondary production
- 10 04 03\* calcium arsenate
- 10 04 04\* flue-gas dust
- 10 04 05\* other particulates and dust
- 10 04 06\* solid wastes from gas treatment
- 10 04 07\* sludges and filter cakes from gas treatment
- 10 04 09\* wastes from cooling-water treatment containing oil
- 10 04 10 wastes from cooling-water treatment other than those mentioned in 10 04 09
- 10 04 99 wastes not otherwise specified
- 10 05 wastes from zinc thermal metallurgy**
- 10 05 01 slags from primary and secondary production
- 10 05 03\* flue-gas dust
- 10 05 04 other particulates and dust
- 10 05 05\* solid waste from gas treatment
- 10 05 06\* sludges and filter cakes from gas treatment
- 10 05 08\* wastes from cooling-water treatment containing oil
- 10 05 09 wastes from cooling-water treatment other than those mentioned in 10 05 08
- 10 05 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities



- 10 05 11 dross and skimmings other than those mentioned in 10 05 10
- 10 05 99 wastes not otherwise specified
- 10 06 wastes from copper thermal metallurgy**
- 10 06 01 slags from primary and secondary production
- 10 06 02 dross and skimmings from primary and secondary production
- 10 06 03\* flue-gas dust
- 10 06 04 other particulates and dust
- 10 06 06\* solid wastes from gas treatment
- 10 06 07\* sludges and filter cakes from gas treatment
- 10 06 09\* wastes from cooling-water treatment containing oil
- 10 06 10 wastes from cooling-water treatment other than those mentioned in 10 06 09
- 10 06 99 wastes not otherwise specified
- 10 07 wastes from silver, gold and platinum thermal metallurgy**
- 10 07 01 slags from primary and secondary production
- 10 07 02 dross and skimmings from primary and secondary production
- 10 07 03 solid wastes from gas treatment
- 10 07 04 other particulates and dust
- 10 07 05 sludges and filter cakes from gas treatment
- 10 07 07\* wastes from cooling-water treatment containing oil
- 10 07 08 wastes from cooling-water treatment other than those mentioned in 10 07 07
- 10 07 99 wastes not otherwise specified
- 10 08 wastes from other non-ferrous thermal metallurgy**
- 10 08 04 particulates and dust
- 10 08 08\* salt slag from primary and secondary production
- 10 08 09 other slags
- 10 08 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities
- 10 08 11 dross and skimmings other than those mentioned in 10 08 10
- 10 08 12\* tar-containing wastes from anode manufacture
- 10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
- 10 08 14 anode scrap
- 10 08 15\* flue-gas dust containing dangerous substances
- 10 08 16 flue-gas dust other than those mentioned in 10 08 15
- 10 08 17\* sludges and filter cakes from flue-gas treatment containing dangerous substances
- 10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
- 10 08 19\* wastes from cooling-water treatment containing oil
- 10 08 20 wastes from cooling-water treatment other than those mentioned in 10 08 19
- 10 08 99 wastes not otherwise specified

**10 09 wastes from casting of ferrous pieces**

- 10 09 03 furnace slag
- 10 09 05\* casting cores and moulds which have not undergone pouring containing dangerous substances
- 10 09 06 casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
- 10 09 07\* casting cores and moulds which have undergone pouring containing dangerous substances
- 10 09 08 casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
- 10 09 09\* flue-gas dust containing dangerous substances
- 10 09 10 flue-gas dust other than those mentioned in 10 09 09
- 10 09 11\* other particulates containing dangerous substances
- 10 09 12 other particulates other than those mentioned in 10 09 11
- 10 09 13\* waste binders containing dangerous substances
- 10 09 14 waste binders other than those mentioned in 10 09 13
- 10 09 15\* waste crack-indicating agent containing dangerous substances
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
- 10 09 99 wastes not otherwise specified

**10 10 wastes from casting of non-ferrous pieces**

- 10 10 03 furnace slag
- 10 10 05\* casting cores and moulds which have not undergone pouring, containing dangerous substances
- 10 10 06 casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
- 10 10 07\* casting cores and moulds which have undergone pouring, containing dangerous substances
- 10 10 08 casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
- 10 10 09\* flue-gas dust containing dangerous substances
- 10 10 10 flue-gas dust other than those mentioned in 10 10 09
- 10 10 11\* other particulates containing dangerous substances
- 10 10 12 other particulates other than those mentioned in 10 10 11
- 10 10 13\* waste binders containing dangerous substances
- 10 10 14 waste binders other than those mentioned in 10 10 13
- 10 10 15\* waste crack-indicating agent containing dangerous substances
- 10 10 16 waste crack-indicating agent other than those mentioned in 10 10 15
- 10 10 99 wastes not otherwise specified

**10 11 wastes from manufacture of glass and glass products**

- 10 11 03 waste glass-based fibrous materials
- 10 11 05 particulates and dust
- 10 11 09\* waste preparation mixture before thermal processing, containing dangerous substances
- 10 11 10 waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
- 10 11 11\* waste glass in small particles and glass powder containing heavy metals (for example from cathode ray tubes)
- 10 11 12 waste glass other than those mentioned in 10 11 11
- 10 11 13\* glass-polishing and -grinding sludge containing dangerous substances
- 10 11 14 glass-polishing and -grinding sludge other than those mentioned in 10 11 13
- 10 11 15\* solid wastes from flue-gas treatment containing dangerous substances

- 10 11 16 solid wastes from flue-gas treatment other than those mentioned in 10 11 15
- 10 11 17\* sludges and filter cakes from flue-gas treatment containing dangerous substances
- 10 11 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
- 10 11 19\* solid wastes from on-site effluent treatment containing dangerous substances
- 10 11 20 solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
- 10 11 99 wastes not otherwise specified
- 10 12 wastes from manufacture of ceramic goods, bricks, tiles and construction products**
- 10 12 01 waste preparation mixture before thermal processing
- 10 12 03 particulates and dust
- 10 12 05 sludges and filter cakes from gas treatment
- 10 12 06 discarded moulds
- 10 12 08 waste ceramics, bricks, tiles and construction products (after thermal processing)
- 10 12 09\* solid wastes from gas treatment containing dangerous substances
- 10 12 10 solid wastes from gas treatment other than those mentioned in 10 12 09
- 10 12 11\* wastes from glazing containing heavy metals
- 10 12 12 wastes from glazing other than those mentioned in 10 12 11
- 10 12 13 sludge from on-site effluent treatment
- 10 12 99 wastes not otherwise specified
- 10 13 wastes from manufacture of cement, lime and plaster and articles and products made from them**
- 10 13 01 waste preparation mixture before thermal processing
- 10 13 04 wastes from calcination and hydration of lime
- 10 13 06 particulates and dust (except 10 13 12 and 10 13 13)
- 10 13 07 sludges and filter cakes from gas treatment
- 10 13 09\* wastes from asbestos-cement manufacture containing asbestos
- 10 13 10 wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
- 10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
- 10 13 12\* solid wastes from gas treatment containing dangerous substances
- 10 13 13 solid wastes from gas treatment other than those mentioned in 10 13 12
- 10 13 14 waste concrete and concrete sludge
- 10 13 99 wastes not otherwise specified
- 10 14 waste from crematoria**
- 10 14 01\* waste from gas cleaning containing mercury

- 11 WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY**
- 11 01 wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
- 11 01 05\* pickling acids
- 11 01 06\* acids not otherwise specified
- 11 01 07\* pickling bases
- 11 01 08\* phosphatising sludges
- 11 01 09\* sludges and filter cakes containing dangerous substances
- 11 01 10 sludges and filter cakes other than those mentioned in 11 01 09
- 11 01 11\* aqueous rinsing liquids containing dangerous substances
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11
- 11 01 13\* degreasing wastes containing dangerous substances
- 11 01 14 degreasing wastes other than those mentioned in 11 01 13
- 11 01 15\* eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
- 11 01 16\* saturated or spent ion exchange resins
- 11 01 98\* other wastes containing dangerous substances
- 11 01 99 wastes not otherwise specified
- 11 02 wastes from non-ferrous hydrometallurgical processes**
- 11 02 02\* sludges from zinc hydrometallurgy (including jarosite, goethite)
- 11 02 03 wastes from the production of anodes for aqueous electrolytical processes
- 11 02 05\* wastes from copper hydrometallurgical processes containing dangerous substances
- 11 02 06 wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
- 11 02 07\* other wastes containing dangerous substances
- 11 02 99 wastes not otherwise specified
- 11 03 sludges and solids from tempering processes**
- 11 03 01\* wastes containing cyanide
- 11 03 02\* other wastes
- 11 05 wastes from hot galvanising processes**
- 11 05 01 hard zinc
- 11 05 02 zinc ash
- 11 05 03\* solid wastes from gas treatment
- 11 05 04\* spent flux
- 11 05 99 wastes not otherwise specified
- 12 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
- 12 01 wastes from shaping and physical and mechanical surface treatment of metals and plastics**
- 12 01 01 ferrous metal filings and turnings
- 12 01 02 ferrous metal dust and particles

- 12 01 03 non-ferrous metal filings and turnings
- 12 01 04 non-ferrous metal dust and particles
- 12 01 05 plastics shavings and turnings
- 12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions)
- 12 01 07\* mineral-based machining oils free of halogens (except emulsions and solutions)
- 12 01 08\* machining emulsions and solutions containing halogens
- 12 01 09\* machining emulsions and solutions free of halogens
- 12 01 10\* synthetic machining oils
- 12 01 12\* spent waxes and fats
- 12 01 13 welding wastes
- 12 01 14\* machining sludges containing dangerous substances
- 12 01 15 machining sludges other than those mentioned in 12 01 14
- 12 01 16\* waste blasting material containing dangerous substances
- 12 01 17 waste blasting material other than those mentioned in 12 01 16
- 12 01 18\* metal sludge (grinding, honing and lapping sludge) containing oil
- 12 01 19\* readily biodegradable machining oil
- 12 01 20\* spent grinding bodies and grinding materials containing dangerous substances
- 12 01 21 spent grinding bodies and grinding materials other than those mentioned in 12 01 20
- 12 01 99 wastes not otherwise specified
- 12 03 wastes from water and steam degreasing processes (except 11)**
- 12 03 01\* aqueous washing liquids
- 12 03 02\* steam degreasing wastes
- 13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)**
- 13 01 waste hydraulic oils**
- 13 01 01\* hydraulic oils, containing PCBs <sup>(1)</sup>
- 13 01 04\* chlorinated emulsions
- 13 01 05\* non-chlorinated emulsions
- 13 01 09\* mineral-based chlorinated hydraulic oils
- 13 01 10\* mineral based non-chlorinated hydraulic oils
- 13 01 11\* synthetic hydraulic oils
- 13 01 12\* readily biodegradable hydraulic oils
- 13 01 13\* other hydraulic oils
- 13 02 waste engine, gear and lubricating oils**
- 13 02 04\* mineral-based chlorinated engine, gear and lubricating oils
- 13 02 05\* mineral-based non-chlorinated engine, gear and lubricating oils
- 13 02 06\* synthetic engine, gear and lubricating oils
- 13 02 07\* readily biodegradable engine, gear and lubricating oils
- 13 02 08\* other engine, gear and lubricating oils

<sup>(1)</sup> For the purpose of this list of wastes, PCBs will be defined as in Directive 96/59/EC.

- 13 03 waste insulating and heat transmission oils**
  - 13 03 01\* insulating or heat transmission oils containing PCBs
  - 13 03 06\* mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
  - 13 03 07\* mineral-based non-chlorinated insulating and heat transmission oils
  - 13 03 08\* synthetic insulating and heat transmission oils
  - 13 03 09\* readily biodegradable insulating and heat transmission oils
  - 13 03 10\* other insulating and heat transmission oils
- 13 04 bilge oils**
  - 13 04 01\* bilge oils from inland navigation
  - 13 04 02\* bilge oils from jetty sewers
  - 13 04 03\* bilge oils from other navigation
- 13 05 oil/water separator contents**
  - 13 05 01\* solids from grit chambers and oil/water separators
  - 13 05 02\* sludges from oil/water separators
  - 13 05 03\* interceptor sludges
  - 13 05 06\* oil from oil/water separators
  - 13 05 07\* oily water from oil/water separators
  - 13 05 08\* mixtures of wastes from grit chambers and oil/water separators
- 13 07 wastes of liquid fuels**
  - 13 07 01\* fuel oil and diesel
  - 13 07 02\* petrol
  - 13 07 03\* other fuels (including mixtures)
- 13 08 oil wastes not otherwise specified**
  - 13 08 01\* desalter sludges or emulsions
  - 13 08 02\* other emulsions
  - 13 08 99\* wastes not otherwise specified
- 14 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)**
  - 14 06 waste organic solvents, refrigerants and foam/aerosol propellants**
    - 14 06 01\* chlorofluorocarbons, HCFC, HFC
    - 14 06 02\* other halogenated solvents and solvent mixtures
    - 14 06 03\* other solvents and solvent mixtures
    - 14 06 04\* sludges or solid wastes containing halogenated solvents
    - 14 06 05\* sludges or solid wastes containing other solvents
- 15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
  - 15 01 packaging (including separately collected municipal packaging waste)**
    - 15 01 01 paper and cardboard packaging
    - 15 01 02 plastic packaging
    - 15 01 03 wooden packaging

- 15 01 04 metallic packaging
- 15 01 05 composite packaging
- 15 01 06 mixed packaging
- 15 01 07 glass packaging
- 15 01 09 textile packaging
- 15 01 10\* packaging containing residues of or contaminated by dangerous substances
- 15 01 11\* metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
- 15 02        absorbents, filter materials, wiping cloths and protective clothing**
- 15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
- 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
  
- 16            WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
- 16 01        end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
- 16 01 03 end-of-life tyres
- [16 01 04 discarded vehicles; NB: This entry is not part of the proposal submitted for opinion to the Committee. The necessary changes to this entry will be made on the basis of the outcome of the procedure in Council on the proposal included in document COM(2000) 546
- 16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components
- 16 01 07\* oil filters
- 16 01 08\* components containing mercury
- 16 01 09\* components containing PCBs
- 16 01 10\* explosive components (for example air bags)
- 16 01 11\* brake pads containing asbestos
- 16 01 12 brake pads other than those mentioned in 16 01 11
- 16 01 13\* brake fluids
- 16 01 14\* antifreeze fluids containing dangerous substances
- 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
- 16 01 16 tanks for liquefied gas
- 16 01 17 ferrous metal
- 16 01 18 non-ferrous metal
- 16 01 19 plastic
- 16 01 20 glass
- 16 01 21\* hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
- 16 01 22 components not otherwise specified
- 16 01 99 wastes not otherwise specified

- 16 02 wastes from electrical and electronic equipment**
- 16 02 09\* transformers and capacitors containing PCBs
  - 16 02 10\* discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09
  - 16 02 11\* discarded equipment containing chlorofluorocarbons, HCFC, HFC
  - 16 02 12\* discarded equipment containing free asbestos
  - 16 02 13\* discarded equipment containing hazardous components <sup>(2)</sup> other than those mentioned in 16 02 09 to 16 02 12
  - 16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13
  - 16 02 15\* hazardous components removed from discarded equipment
  - 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15
- 16 03 off-specification batches and unused products**
- 16 03 03\* inorganic wastes containing dangerous substances
  - 16 03 04 inorganic wastes other than those mentioned in 16 03 03
  - 16 03 05\* organic wastes containing dangerous substances
  - 16 03 06 organic wastes other than those mentioned in 16 03 05
- 16 04 waste explosives**
- 16 04 01\* waste ammunition
  - 16 04 02\* fireworks wastes
  - 16 04 03\* other waste explosives
- 16 05 gases in pressure containers and discarded chemicals**
- 16 05 04\* gases in pressure containers (including halons) containing dangerous substances
  - 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
  - 16 05 06\* laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals
  - 16 05 07\* discarded inorganic chemicals consisting of or containing dangerous substances
  - 16 05 08\* discarded organic chemicals consisting of or containing dangerous substances
  - 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
- 16 06 batteries and accumulators**
- 16 06 01\* lead batteries
  - 16 06 02\* Ni-Cd batteries
  - 16 06 03\* mercury-containing batteries
  - 16 06 04 alkaline batteries (except 16 06 03)
  - 16 06 05 other batteries and accumulators
  - 16 06 06\* separately collected electrolyte from batteries and accumulators
- 16 07 wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
- 16 07 08\* wastes containing oil
  - 16 07 09\* wastes containing other dangerous substances
  - 16 07 99 wastes not otherwise specified

<sup>(2)</sup> Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass, etc.



- 16 08 spent catalysts**
- 16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
- 16 08 02\* spent catalysts containing dangerous transition metals <sup>(3)</sup> or dangerous transition metal compounds
- 16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified
- 16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)
- 16 08 05\* spent catalysts containing phosphoric acid
- 16 08 06\* spent liquids used as catalysts
- 16 08 07\* spent catalysts contaminated with dangerous substances
- 16 09 oxidising substances**
- 16 09 01\* permanganates, for example potassium permanganate
- 16 09 02\* chromates, for example potassium chromate, potassium or sodium dichromate
- 16 09 03\* peroxides, for example hydrogen peroxide
- 16 09 04\* oxidising substances, not otherwise specified
- 16 10 aqueous liquid wastes destined for off-site treatment**
- 16 10 01\* aqueous liquid wastes containing dangerous substances
- 16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01
- 16 10 03\* aqueous concentrates containing dangerous substances
- 16 10 04 aqueous concentrates other than those mentioned in 16 10 03
- 16 11 waste linings and refractories**
- 16 11 01\* carbon-based linings and refractories from metallurgical processes containing dangerous substances
- 16 11 02 carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
- 16 11 03\* other linings and refractories from metallurgical processes containing dangerous substances
- 16 11 04 other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
- 16 11 05\* linings and refractories from non-metallurgical processes containing dangerous substances
- 16 11 06 linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
- 17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
- 17 01 concrete, bricks, tiles and ceramics**
- 17 01 01 concrete
- 17 01 02 bricks
- 17 01 03 tiles and ceramics
- 17 01 06\* mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
- 17 01 07 mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06

<sup>(3)</sup> For the purpose of this entry, transition metals are: scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum. These metals or their compounds are dangerous if they are classified as dangerous substances. The classification of dangerous substances shall determine which among those transition metals and which transition metal compounds are hazardous.

- 17 02 wood, glass and plastic**
- 17 02 01 wood
- 17 02 02 glass
- 17 02 03 plastic
- 17 02 04\* glass, plastic and wood containing or contaminated with dangerous substances
- 17 03 bituminous mixtures, coal tar and tarred products**
- 17 03 01\* bituminous mixtures containing coal tar
- 17 03 02 bituminous mixtures other than those mentioned in 17 03 01
- 17 03 03\* coal tar and tarred products
- 17 04 metals (including their alloys)**
- 17 04 01 copper, bronze, brass
- 17 04 02 aluminium
- 17 04 03 lead
- 17 04 04 zinc
- 17 04 05 iron and steel
- 17 04 06 tin
- 17 04 07 mixed metals
- 17 04 09\* metal waste contaminated with dangerous substances
- 17 04 10\* cables containing oil, coal tar and other dangerous substances
- 17 04 11 cables other than those mentioned in 17 04 10
- 17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil**
- 17 05 03\* soil and stones containing dangerous substances
- 17 05 04 soil and stones other than those mentioned in 17 05 03
- 17 05 05\* dredging spoil containing dangerous substances
- 17 05 06 dredging spoil other than those mentioned in 17 05 05
- 17 05 07\* track ballast containing dangerous substances
- 17 05 08 track ballast other than those mentioned in 17 05 07
- 17 06 insulation materials and asbestos-containing construction materials**
- 17 06 01\* insulation materials containing asbestos
- 17 06 03\* other insulation materials consisting of or containing dangerous substances
- 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
- 17 06 05 construction materials containing asbestos
- 17 08 gypsum-based construction material**
- 17 08 01\* gypsum-based construction materials contaminated with dangerous substances
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 17 09 other construction and demolition wastes**
- 17 09 01\* construction and demolition wastes containing mercury
- 17 09 02\* construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)

- 17 09 03\* other construction and demolition wastes (including mixed wastes) containing dangerous substances
- 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
- 18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**
- 18 01 wastes from natal care, diagnosis, treatment or prevention of disease in humans**
- 18 01 01 sharps (except 18 01 03)
- 18 01 02 body parts and organs including blood bags and blood preserves (except 18 01 03)
- 18 01 03\* wastes whose collection and disposal is subject to special requirements in order to prevent infection
- 18 01 04 wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
- 18 01 06\* chemicals consisting of or containing dangerous substances
- 18 01 07 chemicals other than those mentioned in 18 01 06
- 18 01 08\* cytotoxic and cytostatic medicines
- 18 01 09 medicines other than those mentioned in 18 01 08
- 18 01 10\* amalgam waste from dental care
- 18 02 wastes from research, diagnosis, treatment or prevention of disease involving animals**
- 18 02 01 sharps (except 18 02 02)
- 18 02 02\* wastes whose collection and disposal is subject to special requirements in order to prevent infection
- 18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection
- 18 02 05\* chemicals consisting of or containing dangerous substances
- 18 02 06 chemicals other than those mentioned in 18 02 05
- 18 02 07\* cytotoxic and cytostatic medicines
- 18 02 08 medicines other than those mentioned in 18 02 07
- 19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
- 19 01 wastes from incineration or pyrolysis of waste**
- 19 01 02 ferrous materials removed from bottom ash
- 19 01 05\* filter cake from gas treatment
- 19 01 06\* aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 01 07\* solid wastes from gas treatment
- 19 01 10\* spent activated carbon from flue-gas treatment
- 19 01 11\* bottom ash and slag containing dangerous substances
- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 13\* fly ash containing dangerous substances
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 15\* boiler dust containing dangerous substances

- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 17\* pyrolysis wastes containing dangerous substances
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds
- 19 01 99 wastes not otherwise specified
- 19 02 wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
- 19 02 03 premixed wastes composed only of non-hazardous wastes
- 19 02 04\* premixed wastes composed of at least one hazardous waste
- 19 02 05\* sludges from physico/chemical treatment containing dangerous substances
- 19 02 06 sludges from physico/chemical treatment other than those mentioned in 19 02 05
- 19 02 07\* oil and concentrates from separation
- 19 02 08\* liquid combustible wastes containing dangerous substances
- 19 02 09\* solid combustible wastes containing dangerous substances
- 19 02 10 combustible wastes other than those mentioned in 19 02 08 and 19 02 09
- 19 02 11\* other wastes containing dangerous substances
- 19 02 99 wastes not otherwise specified
- 19 03 stabilised/solidified wastes <sup>(4)</sup>**
- 19 03 04\* wastes marked as hazardous, partly <sup>(5)</sup> stabilised
- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 06\* wastes marked as hazardous, solidified
- 19 03 07 solidified wastes other than those mentioned in 19 03 06
- 19 04 vitrified waste and wastes from vitrification**
- 19 04 01 vitrified waste
- 19 04 02\* fly ash and other flue-gas treatment wastes
- 19 04 03\* non-vitrified solid phase
- 19 04 04 aqueous liquid wastes from vitrified waste tempering
- 19 05 wastes from aerobic treatment of solid wastes**
- 19 05 01 non-composted fraction of municipal and similar wastes
- 19 05 02 non-composted fraction of animal and vegetable waste
- 19 05 03 off-specification compost
- 19 05 99 wastes not otherwise specified
- 19 06 wastes from anaerobic treatment of waste**
- 19 06 03 liquor from anaerobic treatment of municipal waste
- 19 06 04 digestate from anaerobic treatment of municipal waste
- 19 06 05 liquor from anaerobic treatment of animal and vegetable waste
- 19 06 06 digestate from anaerobic treatment of animal and vegetable waste
- 19 06 99 wastes not otherwise specified

<sup>(4)</sup> Stabilisation processes change the dangerousness of the constituents in the waste and thus transform hazardous waste into non-hazardous waste. Solidification processes only change the physical state of the waste (e.g. liquid into solid) by using additives without changing the chemical properties of the waste.

<sup>(5)</sup> A waste is considered as partly stabilised if, after the stabilisation process, dangerous constituents which have not been changed completely into non-dangerous constituents could be released into the environment in the short, middle or long term.

- 19 07      landfill leachate**
- 19 07 02\*    landfill leachate containing dangerous substances
- 19 07 03    landfill leachate other than those mentioned in 19 07 02
- 19 08      wastes from waste water treatment plants not otherwise specified**
- 19 08 01    screenings
- 19 08 02    waste from desanding
- 19 08 05    sludges from treatment of urban waste water
- 19 08 06\*    saturated or spent ion exchange resins
- 19 08 07\*    solutions and sludges from regeneration of ion exchangers
- 19 08 08\*    membrane system waste containing heavy metals
- 19 08 09\*    grease and oil mixture from oil/water separation containing edible oil and fats
- 19 08 10\*    grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 19 08 11\*    sludges containing dangerous substances from biological treatment of industrial waste water
- 19 08 12    sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
- 19 08 13\*    sludges containing dangerous substances from other treatment of industrial waste water
- 19 08 14    sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
- 19 08 99    wastes not otherwise specified
- 19 09      wastes from the preparation of water intended for human consumption or water for industrial use**
- 19 09 01    solid waste from primary filtration and screenings
- 19 09 02    sludges from water clarification
- 19 09 03    sludges from decarbonation
- 19 09 04    spent activated carbon
- 19 09 05    saturated or spent ion exchange resins
- 19 09 06    solutions and sludges from regeneration of ion exchangers
- 19 09 99    wastes not otherwise specified
- 19 10      wastes from shredding of metal-containing wastes**
- 19 10 01    iron and steel waste
- 19 10 02    non-ferrous waste
- 19 10 03\*    fluff-light fraction and dust containing dangerous substances
- 19 10 04    fluff-light fraction and dust other than those mentioned in 19 10 03
- 19 10 05\*    other fractions containing dangerous substances
- 19 10 06    other fractions other than those mentioned in 19 10 05
- 19 11      wastes from oil regeneration**
- 19 11 01\*    spent filter clays
- 19 11 02\*    acid tars
- 19 11 03\*    aqueous liquid wastes
- 19 11 04\*    wastes from cleaning of fuel with bases
- 19 11 05\*    sludges from on-site effluent treatment containing dangerous substances

- 19 11 06 sludges from on-site effluent treatment other than those mentioned in 19 11 05
- 19 11 07\* wastes from flue-gas cleaning
- 19 11 99 wastes not otherwise specified
- 19 12 wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
- 19 12 01 paper and cardboard
- 19 12 02 ferrous metal
- 19 12 03 non-ferrous metal
- 19 12 04 plastic and rubber
- 19 12 05 glass
- 19 12 06\* wood containing dangerous substances
- 19 12 07 wood other than that mentioned in 19 12 06
- 19 12 08 textiles
- 19 12 09 minerals (for example sand, stones)
- 19 12 10 combustible waste (refuse derived fuel)
- 19 12 11\* other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances
- 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
- 19 13 wastes from soil and groundwater remediation**
- 19 13 01\* solid wastes from soil remediation containing dangerous substances
- 19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01
- 19 13 03\* sludges from soil remediation containing dangerous substances
- 19 13 04 sludges from soil remediation other than those mentioned in 19 13 03
- 19 13 05\* sludges from groundwater remediation containing dangerous substances
- 19 13 06 sludges from groundwater remediation other than those mentioned in 19 13 05
- 19 13 07\* aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
- 19 13 08 aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
- 20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
- 20 01 separately collected fractions (except 15 01)**
- 20 01 01 paper and cardboard
- 20 01 02 glass
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 10 clothes
- 20 01 11 textiles
- 20 01 13\* solvents
- 20 01 14\* acids
- 20 01 15\* alkalines

- 20 01 17\* photochemicals
- 20 01 19\* pesticides
- 20 01 21\* fluorescent tubes and other mercury-containing waste
- 20 01 23\* discarded equipment containing chlorofluorocarbons
- 20 01 25 edible oil and fat
- 20 01 26\* oil and fat other than those mentioned in 20 01 25
- 20 01 27\* paint, inks, adhesives and resins containing dangerous substances
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 29\* detergents containing dangerous substances
- 20 01 30 detergents other than those mentioned in 20 01 29
- 20 01 31\* cytotoxic and cytostatic medicines
- 20 01 32 medicines other than those mentioned in 20 01 31
- 20 01 33\* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
- 20 01 34 batteries and accumulators other than those mentioned in 20 01 33
- 20 01 35\* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components <sup>(6)</sup>
- 20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
- 20 01 37\* wood containing dangerous substances
- 20 01 38 wood other than that mentioned in 20 01 37
- 20 01 39 plastics
- 20 01 40 metals
- 20 01 41 wastes from chimney sweeping
- 20 01 99 other fractions not otherwise specified
- 20 02 garden and park wastes (including cemetery waste)**
- 20 02 01 biodegradable waste
- 20 02 02 soil and stones
- 20 02 03 other non-biodegradable wastes
- 20 03 other municipal wastes**
- 20 03 01 mixed municipal waste
- 20 03 02 waste from markets
- 20 03 03 street-cleaning residues
- 20 03 04 septic tank sludge
- 20 03 06 waste from sewage cleaning
- 20 03 07 bulky waste
- 20 03 99 municipal wastes not otherwise specified

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<sup>(6)</sup> Hazardous components from electrical and electronic equipment may include accumulators and batteries mentioned in 16 06 and marked as hazardous; mercury switches, glass from cathode ray tubes and other activated glass etc.'