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COMMISSION IMPLEMENTING REGULATION (EU) 2026/1692

of 13 July 2026

granting a Union authorisation for the biocidal product family 'ECA Disinfect Product family 5' in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products ([1]), and in particular Article 44(5), first subparagraph, thereof,

Whereas:

(1) On 3 June 2022, ECA Consortium A/S submitted an application to the European Chemicals Agency ('the Agency') in accordance with Article 43(1) of Regulation (EU) No 528/2012 for Union authorisation of a biocidal product family named 'ECA Disinfect Product family 5' of product-types 2, 4 and 5, as described in Annex V to that Regulation, providing written confirmation that the competent authority of Denmark had agreed to evaluate the application. The application was recorded under case number BC-VB075971-31 in the Register for Biocidal Products.

(2) 'ECA Disinfect Product family 5' contains active chlorine released from hypochlorous acid as the active substance included in the Union list of approved active substances referred to in Article 9(2) of Regulation (EU) No 528/2012 for product-types 2, 4 and 5.

(3) On 28 May 2025, the evaluating competent authority submitted, in accordance with Article 44(1) of Regulation (EU) No 528/2012, an assessment report and the conclusions of its evaluation to the Agency.

(4) On 18 December 2025, the Agency submitted to the Commission its opinion ([2]), the draft summary of the product characteristics ('SPC') of 'ECA Disinfect Product family 5' and the final assessment report on the biocidal product family, in accordance with Article 44(3) of Regulation (EU) No 528/2012.

(5) The opinion concludes that 'ECA Disinfect Product family 5' is a biocidal product family within the meaning of Article 3(1), point (s), of Regulation (EU) No 528/2012, that it is eligible for Union authorisation in accordance with Article 42(1) of that Regulation and that, subject to compliance with the draft SPC, it meets the conditions laid down in Article 19(6) of that Regulation.

(6) On 12 January 2026, the Agency transmitted to the Commission the draft SPC in all the official languages of the Union in accordance with Article 44(4) of Regulation (EU) No 528/2012.

(7) The Commission concurs with the opinion of the Agency and considers it therefore appropriate to grant a Union authorisation for 'ECA Disinfect Product family 5' for the uses proposed to be authorised by the Agency.

([1]) OJ L 167, 27.6.2012, p. 1, ELI: http://data.europa.eu/eli/reg/2012/528/oj.
([2]) ECHA opinion of 27 November 2025 on the Union authorisation of 'ECA Disinfect Product family 5' (ECHA/BPC/510/2025), https://echa.europa.eu/opinions-on-union-authorisation.

(8) On 6 January 2026, Germany sent a request to the Commission to adjust the terms and conditions of the Union authorisation of the biocidal product family 'ECA Disinfect Product family 5' for its territory in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012 for use 1.4 (Disinfection of drinking water for humans) in meta SPC 1, on the grounds of public policy and the protection of health and life of humans, as referred to in Article 37(1), points (b) and (c), of that Regulation. In its request for the adjustments to use 1.4 in meta SPC 1, Germany refers to the German Ordinance on the Quality of Water Intended for Human Consumption, (Trinkwasserverordnung ('TrinkwV')) ([3]) establishing a systematic set of rules to ensure healthy and clean drinking water by regulating the required quality of water, and the substances, methods and procedures to be used for the treatment of drinking water, imposing obligations on water treatment plants and setting rules on the enforcement of those obligations. Based on the rules of the TrinkwV, certain well-established norms and common practices have been developed in the drinking water treatment sector in Germany. Germany explained that, for the disinfection of drinking water, part of the description of use 1.4 in meta SPC 1 of 'ECA Disinfect Product family 5' of the SPC does not fully correspond to the rules of the TrinkwV. The application methods and application rates and frequency for that use would need to be adapted to meet the requirements of the list of treatment substances and disinfection processes according to Section 20 of the TrinkwV.

(9) The Commission, also having regard to Article 2(7) of Regulation (EU) No 528/2012, considers that the request made by Germany to adjust the conditions of the Union authorisation of the biocidal product family 'ECA Disinfect Product family 5' for its territory in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012 is justified on the grounds of public policy in the supply of drinking water and the protection of health and life of humans pursuant to Article 37(1), points (b) and (c), respectively, of that Regulation. The TrinkwV transposes Directive (EU) 2020/2184 of the European Parliament and of the Council ([4]) into German law. That Directive sets a legal framework to protect human health from the adverse effects of any contamination of water intended for human consumption by ensuring that it is wholesome and clean. That Directive also sets essential quality standards at Union level and allows Member States to implement additional requirements and higher standards where the protection of human health within its national territory or part of it so requires. The TrinkwV is in force in Germany since 2001 and its requirements have been relied upon by the drinking water treatment sector in Germany since then. Products for the disinfection of drinking water made available on the German market should comply with the rules established in the TrinkwV.

(10) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Biocidal Products,

HAS ADOPTED THIS REGULATION:

Article 1

A Union authorisation with authorisation number EU-0036247-0000 is hereby granted to ECA Consortium A/S for the making available on the market and use of the biocidal product family 'ECA Disinfect Product family 5' in accordance with the summary of product characteristics set out in the Annex.

The Union authorisation is valid from 4 August 2026 until 31 July 2036.

([3]) German Ordinance on the Quality of Water Intended for Human Consumption – Verordnung über die Qualität von Wasser für den menschlichen Gebrauch (Trinkwasserverordnung – TrinkwV) in the version of the Second Ordinance for the Revision of the Drinking water Ordinance (Zweite Verordnung zur Novellierung der Trinkwasserverordnung vom 20. Juni 2023 (Bundesgesetzblatt I Nr. 159), https://www.gesetze-im-internet.de/englisch_trinkwv/englisch_trinkwv.pdf.

([4]) Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (OJ L 435, 23.12.2020, p. 1, ELI: http://data.europa.eu/eli/dir/2020/2184/oj).

Article 2

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

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

Done at Brussels, 13 July 2026.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT FAMILY

ECA Disinfect Product family 5

Product type(s)

PT02: Disinfectants and algaecides not intended for direct application to humans or animals

PT04: Food and feed area

PT05: Drinking water

Authorisation number EU-0036247-0000

R4BP asset number EU-0036247-0000

PART I.

FIRST INFORMATION LEVEL

1. ADMINISTRATIVE INFORMATION

1.1. **Family name**

Name	ECA Disinfect Product family 5

1.2. **Product type(s)**

Product type(s)	PT02: Disinfectants and algaecides not intended for direct application to humans or animals PT04: Food and feed area PT05: Drinking water

1.3. **Authorisation holder**

Name and address of the authorisation holder	Name	ECA Consortium A/S
	Address	Blegen 9, 4.th 6400 Sønderborg DK
Authorisation number	EU-0036247-0000	
R4BP asset number	EU-0036247-0000	
Date of the authorisation	4 August 2026	
Expiry date of the authorisation	31 July 2036	

1.4. **Manufacturer(s) of the product**

Name of manufacturer	ACS B.V.
Address of manufacturer	Oostergracht 17-11 3763 LX Soes Netherlands (the)
Location of manufacturing sites	ACS B.V., site 1 Oostergracht 17-11 3763 LX Soes Netherlands (the)

Name of manufacturer	Actalys France
Address of manufacturer	Z.A du Haut des Tappes, BP 70 065 54310 Homecourt France
Location of manufacturing sites	Actalys site 1 Z.A du Haut des Tappes, BP 70 065 54310 Homecourt France

Name of manufacturer	BEULCO GmbH & Co. KG
Address of manufacturer	Kölner Str. 92 D-57439 Attendorn Germany
Location of manufacturing sites	BEULCO GmbH & Co. KG site 1 Kölner Str. 92 D-57439 Attendorn Germany

Name of manufacturer	Briotech European Operations Oy
Address of manufacturer	Teknobulevardi 3-5 01530 Vantaa Finland
Location of manufacturing sites	Briotech European Operations Oy Technopolis site 1 Teknobulevardi 3-5 01530 Vantaa Finland

Name of manufacturer	BBDistrilux
Address of manufacturer	6 rue Henri M.Schnadt 2530 Luxembourg Luxembourg
Location of manufacturing sites	BBDistrilux site 1 12 rue de l'industrie 3895 Foetz Luxembourg

Name of manufacturer	Danish Clean Water A/S
Address of manufacturer	Nørrekobbel 11 6400 Sønderborg Denmark
Location of manufacturing sites	Danish Clean Water A/S site 1 Nørrekobbel 11 6400 Sønderborg Denmark

Name of manufacturer	Easymetal GmbH
Address of manufacturer	Resselstrasse 12 2120 Wolkersdorf im Weinviertel Austria
Location of manufacturing sites	Easymetal GmbH site 1 Resselstrasse 12 2120 Wolkersdorf im Weinviertel Austria

Name of manufacturer	ecabiotec AG
Address of manufacturer	Starkenburgstrasse 10 D-64546 Mörfelden Germany
Location of manufacturing sites	Ecabiotec AG, site 1 Starkenburgstrasse 10 D-64546 Mörfelden Germany

Name of manufacturer	Ecas Qauttro s.r.l.
Address of manufacturer	Pietro Miliani 7 40132 Bologna Italy
Location of manufacturing sites	Ecas Qauttro s.r.l. site 1 Pietro Miliani 7 40132 Bologna Italy

Name of manufacturer	Elox GmbH
Address of manufacturer	Auen Süduferstrasse 6 AUT-9220 Velden Austria
Location of manufacturing sites	Elox GmbH site 1 Auen Süduferstrasse 67 9220 Velden Austria

Name of manufacturer	Elyte AS
Address of manufacturer	Breivika Industriveg 48 6018 Ålesund Norway
Location of manufacturing sites	Elyte AS site 1 Breivika Industriveg 48 6018 Ålesund Norway

Name of manufacturer	Gotika 1212 s.r.o
Address of manufacturer	Arbesova 751/9 46001 Liberec Czechia
Location of manufacturing sites	Gotika 1212 s.r.o Majerská 3 821 07 Bratislava Slovakia

Name of manufacturer	Hydroliq solutions GmbH
Address of manufacturer	Staldenhof 17 CH 6014 Luzern Switzerland
Location of manufacturing sites	Hydroliq AG, site 1 Staldenhof 17 CH-6014 Luzern Switzerland

Name of manufacturer	HyperDes Water Technology
Address of manufacturer	Bastenauer Strasse 11 91637 Wornitz Germany
Location of manufacturing sites	HyperDES-watertechnology GmbH site 1 Bastenauer Strasse 11 91637 Wornitz Germany

Name of manufacturer	Impressio GmbH
Address of manufacturer	Schäffergasse 20/26 1040 Vienna Austria
Location of manufacturing sites	Impressio GmbH site 1 Hallerstrasse 43 6020 Innsbruck Austria

Name of manufacturer	Innowatech GmbH
Address of manufacturer	Alte Kaserne 28 D-72186 Empfingen Germany
Location of manufacturing sites	Innowatech GmbH site 1 Alte Kaserne 28 72186 Empfingen Germany

Name of manufacturer	KS Natec AG
Address of manufacturer	Landstrasse 29 CH-5430 Wettingen Switzerland
Location of manufacturing sites	KS Natec AG, site 1 Landstrasse 29 CH-5430 Wettingen Switzerland

Name of manufacturer	Madoma Care GmbH
Address of manufacturer	Albert-Einstein-Str.10 87437 Kempten Germany
Location of manufacturing sites	Madoma Care GmbH, site 1 Albert-Einstein-Str.. 10 87437 Kempten Germany

Name of manufacturer	Newtec Umwelttechnik GmbH
Address of manufacturer	Am Borsigturm 62 13507 Berlin Germany
Location of manufacturing sites	Newtec Umwelttechnik GmbH site 1 Am Borsigturm 62 13507 Berlin Germany

Name of manufacturer	Noxefin GmbH & Co Ks
Address of manufacturer	Wimmentaler strasse 36 74189 Weinsberg-Grantchen Germany
Location of manufacturing sites	Noxefin GmbH & Co Ks site 1 Wimmentaler strasse 36 74189 Weinsberg-Grantchen Germany

Name of manufacturer	Nuova Control Systems Srl
Address of manufacturer	Viale Vittorio Veneto 60 59100 Prato Italy
Location of manufacturing sites	Nuova Control Systems Srl site 1 Viale Vittorio Veneto 60 59100 Prato Italy

Name of manufacturer	PureClean.eu ApS
Address of manufacturer	Runddelsvej 17 8930 Randers NØ Denmark
Location of manufacturing sites	PureClean.eu ApS site 1 Runddelsvej 17 8930 Randers NØ Denmark

Name of manufacturer	PureClean.eu ApS
Address of manufacturer	Ruosilantie 7b 00390 Helsinki Finland
Location of manufacturing sites	PureClean.eu ApS , site1 Runddelsvej 17 8930 Randers NØ Denmark

Name of manufacturer	Portsmouth Aqua SRL
Address of manufacturer	4 Costache Negri Entrance, Room No.1 Ap. 1 District 5 Bucharest Romania
Location of manufacturing sites	Portsmouth Aqua SRL, site 1 TEHNO-GRUP S.R.L ROMANIA Str.Gheorghit, a, Geolgau, Nr.64 207450 Pielesti,Jud., Dolij Romania Portsmouth Aqua SRL site 2 “NILO” D. PAPAMICHAIL & CO L.P., Asprogia Diminiou 385 00 Volos Greece

Name of manufacturer	SAWAMED CRD GmbH
Address of manufacturer	Industriepark 2 9330 Althofen Austria
Location of manufacturing sites	SAWAMED CRD GmbH site 1 Industriepark 2 9330 Althofen Austria

Name of manufacturer	Veriforte GmbH
Address of manufacturer	Tobel 1505 8877 Murg Switzerland
Location of manufacturing sites	Veriforte GmbH site 1 Tobel 1505 8877 Murg Switzerland

Name of manufacturer	Waion AG
Address of manufacturer	Allweg 6 6372 Ennetmoos Switzerland
Location of manufacturing sites	Waion AG site 1 Allweg 6 6372 Ennetmoos Switzerland

Name of manufacturer	Watair GmbH
Address of manufacturer	Aebischen 41 3202 Frauenkoppelen Switzerland
Location of manufacturing sites	Watair GmbH site 1 Aebischen 41 3202 Frauenkoppelen Switzerland

Name of manufacturer	Zimmer Reinigungstechnik GmbH
Address of manufacturer	Raiffeisenstraße 6 97256 Hettstadt Germany
Location of manufacturing sites	Zimmer Reinigungstechnik GmbH site 1 Raiffeisenstraße 6 67265 Hettstadt Germany

1.5. **Manufacturer(s) of the active substance(s)**

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	ACS B.V.
Address of manufacturer	Oostergracht 17-11 3763 LX Soes Netherlands (the)
Location of manufacturing sites	ACS B.V., site 1 Oostergracht 17-11 3763 LX Soes Netherlands (the)

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Actalys France
Address of manufacturer	Z.A du Haut ds Tappes, BP 70 065 54310 Homecourt France
Location of manufacturing sites	Actalys site 1 Z.A du Haut des Tappes, BP 70 065 54310 Homecourt France

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	BEULCO GmbH & Co. KG
Address of manufacturer	Kölner Str. 92 D-57439 Attendorn Germany
Location of manufacturing sites	BEULCO GmbH & Co. KG site 1 Kölner Str. 92 D-57439 Attendorn Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Briotech European Operations Oy
Address of manufacturer	Teknobulevardi 3-5 01530 Vantaa Finland
Location of manufacturing sites	Briotech European Operations Oy Technopolis site 1 Teknobulevardi 3-5 01530 Vantaa Finland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	BBDistrilux
Address of manufacturer	6 rue Henri M.Schnadt 2530 Luxembourg Luxembourg
Location of manufacturing sites	BBDistrilux site 1 12 rue de l'industrie 3895 Foetz Luxembourg

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Danish Clean Water A/S
Address of manufacturer	Nørrekobbel 11 6400 Sønderborg Denmark
Location of manufacturing sites	Danish Clean Water A/S site 1 Nørrekobbel 11 6400 Sønderborg Denmark

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Easymetal GmbH
Address of manufacturer	Resselstrasse 12 2120 Wolkersdorf im Weinviertel Austria
Location of manufacturing sites	Easymetal GmbH site 1 Resselstrasse 12 2120 Wolkersdorf im Weinviertel Austria

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	ecabiotec AG
Address of manufacturer	Starkenburgstrasse 10 D-64546 Mörfelden Germany
Location of manufacturing sites	Ecabiotec AG site 1 Starkenburgstrasse 10 D-64546 Mörfelden Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Ecas Qauttro s.r.l.
Address of manufacturer	Pietro Miliani 7 40132 Bologna Italy
Location of manufacturing sites	Ecas Qauttro s.r.l. site 1 Pietro Miliani 7 40132 Bologna Italy

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Elox GmbH
Address of manufacturer	Auen Süduferstrasse 6 AUT-9220 Velden Austria
Location of manufacturing sites	Elox GmbH site 1 Auen Süduferstrasse 67 9220 Velden Austria

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Elyte AS
Address of manufacturer	Breivika Industriveg 48 6018 Ålesund Norway
Location of manufacturing sites	Elyte AS site 1 Breivika Industriveg 48 6018 Ålesund Norway

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Gotika 1212 s.r.o
Address of manufacturer	Arbesova 751/9 46001 Liberec Czechia
Location of manufacturing sites	Gotika 1212 s.r.o Majerská 3 821 07 Bratislava Slovakia

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Hydroliq solutions GmbH
Address of manufacturer	Staldenhof 17 CH 6014 Luzern Switzerland
Location of manufacturing sites	Hydroliq AG, site 1 Staldenhof 17 CH-6014 Luzern Switzerland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	HyperDes Water Technology
Address of manufacturer	Bastenauer Strasse 11 91637 Wornitz Germany
Location of manufacturing sites	HyperDES-watertechnology GmbH site 1 Bastenauer Strasse 11 91637 Wornitz Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Impressio GmbH
Address of manufacturer	Schäffergasse 20/26 1040 Vienna Austria
Location of manufacturing sites	Impressio GmbH site 1 Hallerstrasse 43 6020 Innsbruck Austria

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Innowatech GmbH
Address of manufacturer	Alte Kaserne 28 D-72186 Empfingen Germany
Location of manufacturing sites	Innowatech GmbH site 1 Alte Kaserne 28 72186 Empfingen Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	KS Natec AG
Address of manufacturer	Landstrasse 29 CH-5430 Wettingen Switzerland
Location of manufacturing sites	KS Natec AG, site 1 Landstrasse 29 CH-5430 Wettingen Switzerland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Madoma Care GmbH
Address of manufacturer	Albert-Einstein-Str.10 87437 Kempten Germany
Location of manufacturing sites	Madoma Care GmbH, site 1 Albert-Einstein-Str.. 10 87437 Kempten Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Newtec Umwelttechnik GmbH
Address of manufacturer	Am Borsigturm 62 13507 Berlin Germany
Location of manufacturing sites	Newtec Umwelttechnik GmbH site 1 Am Borsigturm 62 13507 Berlin Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Noxefin GmbH & Co Ks
Address of manufacturer	Wimmentaler strasse 36 74189 Weinsberg-Grantchen Germany
Location of manufacturing sites	Noxefin GmbH & Co Ks site 1 Wimmentaler strasse 36 74189 Weinsberg-Grantchen Germany

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Nuova Control Systems Srl
Address of manufacturer	Viale Vittorio Veneto 60 59100 Prato Italy
Location of manufacturing sites	Nuova Control Systems Srl site 1 Viale Vittorio Veneto 60 59100 Prato Italy

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	PureClean.eu ApS
Address of manufacturer	Runddelsvej 17 8930 Randers NØ Denmark
Location of manufacturing sites	PureClean.eu ApS site 1 Runddelsvej 17 8930 Randers NØ Denmark

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	PureClean.eu ApS
Address of manufacturer	Ruosilantie 7b 00390 Helsinki Finland
Location of manufacturing sites	PureClean.eu ApS site 2 Runddelsvej 17 8930 Randers NØ Denmark

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Portsmouth Aqua SRL
Address of manufacturer	4 Costache Negri Entrance, Room No.1 Ap. 1 District 5 Bucharest Romania
Location of manufacturing sites	Portsmouth Aqua SRL, site 1 TEHNO-GRUP S.R.L ROMANIA Str.Gheorghit, a, Geolgau, Nr.64 207450 Pielesti,Jud., Dolij Romania Portsmouth Aqua SRL site 2 “NILO” D. PAPAMICHAIL & CO L.P., Asprogia Diminiou 385 00 Volos Greece

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	SAWAMED CRD GmbH
Address of manufacturer	Industriepark 2 9330 Althofen Austria
Location of manufacturing sites	SAWAMED CRD GmbH site 1 Industriepark 2 9330 Althofen Austria

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Veriforte GmbH
Address of manufacturer	Tobel 1505 8877 Murg Switzerland
Location of manufacturing sites	Veriforte GmbH site 1 Tobel 1505 8877 Murg Switzerland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Waion AG
Address of manufacturer	Allweg 6 6372 Ennetmoos Switzerland
Location of manufacturing sites	Waion AG site 1 Allweg 6 6372 Ennetmoos Switzerland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Watair GmbH
Address of manufacturer	Aebischen 41 3202 Frauenkoppelen Switzerland
Location of manufacturing sites	Watair GmbH site 1 Aebischen 41 3202 Frauenkoppelen Switzerland

Active substance	Active chlorine released from hypochlorous acid
Name of manufacturer	Zimmer Reinigungstechnik GmbH
Address of manufacturer	Raiffeisenstraße 6 97256 Hettstadt Germany
Location of manufacturing sites	Zimmer Reinigungstechnik GmbH site 1 Raiffeisenstraße 6 67265 Hettstadt Germany

2. PRODUCT FAMILY COMPOSITION AND FORMULATION

2.1. **Qualitative and quantitative information on the composition of the family**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,019 - 0,074 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,025 - 0,1 % (w/w)

2.2. **Type(s) of formulation**

Formulation type(s)	SL Soluble concentrate

PART II.

SECOND INFORMATION LEVEL META SPC(S)

1. META SPC 1 ADMINISTRATIVE INFORMATION

1.1. **Meta SPC 1 identifier**

Identifier	Meta SPC: Meta SPC 1 - BPF5

1.2. **Suffix to the authorisation number**

Number	1-1

1.3. **Product type(s)**

Product type(s)	PT02: Disinfectants and algaecides not intended for direct application to humans or animals PT04: Food and feed area PT05: Drinking water

2. META SPC 1 COMPOSITION

2.1. **Qualitative and quantitative information on the composition of the meta SPC 1**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,019 - 0,074 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,025 - 0,1 % (w/w)

2.2. **Type(s) of formulation of the meta SPC 1**

Formulation type(s)	SL Soluble concentrate

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 1

Hazard statements	H290: May be corrosive to metals.
Precautionary statements	P390: Absorb spillage to prevent material damage. P234: Keep only in original packaging.

4. AUTHORISED USE(S) OF THE META SPC

4.1. **Use description**

Table 1

1.1 Disinfection for pipework/inner surfaces (CIP) (PT2)

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Common name: Bacteria Development stage: no data Common name: Yeasts Development stage: no data
Field(s) of use	indoor use Disinfection of pipework and inner surfaces, cleaning in place (CIP) with circulation. Hard surface disinfection (non-porous) in cosmetic and pharmaceutical industries.
Application method(s)	Method: closed system Detailed description: Professional users: Automated dosing (dosing pump) or manual dosing into a storage-holding tank. Dilute the product in the storage-holding tank. Add the solution to the empty system that is to be disinfected. General public (non-professional users): Manual dosing into a storage-holding tank. Dilute the product in the storage-holding tank. Add the solution to the empty system that is to be disinfected. Dose solution into an empty, clean system. Temperature: 20±1 °C.
Application rate(s) and frequency	Application Rate: 0,0058 % (w/w) active chlorine ECA Disinfect 250: 331 ml product and 669 ml water ECA Disinfect 500: 166 ml product and 834 ml water ECA Disinfect 550: 151 ml product and 849 ml water ECA Disinfect 750: 110 ml product and 890 ml water ECA Disinfect 800: 104 ml product and 869 ml water ECA Disinfect 1000: 83 ml product and 917 ml water Number and timing of application: Contact time: 60 minutes.

Category(ies) of users	professional general public (non-professional)
Pack sizes and packaging material	Bottle of high-density polyethylene (HDPE)/polyethylene terephthalate (PET) and IBC-Tank of HDPE/PTE Sizes: General public (non-professional) users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20 litres. Professional users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20, 500, 600, 1000 litres.

4.1.1. *Use-specific instructions for use*

General public (non-professional) users and professional users – manual dosing:

Clean the pipework and inner surfaces before disinfection. The storage-holding tank must be cleaned before use.

Dilute the product in the storage-holding tank according to the dosing requirements. Make sure the product is evenly distributed in the water, for example by mixing the solution, before the solution is added to the system.

Circulate the solution in the system for 60 minutes. Make sure to wet the surfaces completely.

Empty the system after disinfection. Rinse treated pipes and machinery twice with drinking water after application.

The solution must be used within 24 hours after preparation.

Professional users – automated dosing (dosing-pump):

Clean the pipework and inner surfaces before disinfection. The storage-holding tank must be cleaned before use.

Dose the product in the storage-holding tank according to the dosing requirements. Make sure the product is evenly distributed in the water before the solution is added to the system.

Circulate the solution in the system for 60 minutes. Make sure to wet the surfaces completely.

Empty the system after disinfection. Rinse treated pipes and machinery twice with drinking water after application.

The solution must be used within 24 hours after preparation.

4.1.2. *Use-specific risk mitigation measures*

Not relevant

4.1.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

Not relevant

4.1.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

Dispose of content/container in accordance with local regulations.

4.1.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

Please see general directions for use

4.2. **Use description**

Table 2

1.2 Disinfection for pipework/inner surfaces (CIP) (PT4)

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Common name: Bacteria Development stage: no data Common name: Yeasts Development stage: no data
Field(s) of use	indoor use Disinfection of pipework and inner surfaces, cleaning in place (CIP) with circulation. Hard surface disinfection (non-porous) in food production and processing industry area (including breweries, (non)-alcoholic beverages, dairy industry) and private food processing area.
Application method(s)	Method: closed system Detailed description: Professional users: Automated dosing (dosing pump) or manual dosing into a storage-holding tank. Dilute the product in the storage-holding tank. Add the solution to the empty system that is to be disinfected. General public (non-professional users): Manual dosing into a storage-holding tank. Dilute the product in the storage-holding tank. Add the solution to the empty system that is to be disinfected. Dose solution into an empty, clean system. Temperature: 20±1 °C.
Application rate(s) and frequency	Application Rate: 0,0058 % (w/w) active chlorine ECA Disinfect 250: 331 ml product and 669 ml water ECA Disinfect 500: 166 ml product and 834 ml water ECA Disinfect 550: 151 ml product and 849 ml water ECA Disinfect 750: 110 ml product and 890 ml water ECA Disinfect 800: 104 ml product and 869 ml water ECA Disinfect 1000: 83 ml product and 917 ml water Number and timing of application: Contact time: 60 minutes.
Category(ies) of users	professional general public (non-professional)
Pack sizes and packaging material	Bottle with screw cap in HDPE/PET material IBC-Tank of HDPE/PTE General public (non-professional) users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20 litres. Professional users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20, 500, 600, 1000 litres.

4.2.1. *Use-specific instructions for use*

General public (non-professional) users and professional users – manual dosing:

Clean the pipework and inner surfaces before disinfection. The storage-holding tank must be cleaned before use.

Dilute the product in the storage-holding tank according to the dosing requirements. Make sure the product is evenly distributed in the water, for example by mixing the solution, before the solution is added to the system.

Circulate the solution in the system for 60 minutes. Make sure to wet the surfaces completely.

Empty the system after disinfection. Rinse treated pipes and machinery twice with drinking water after application.

The solution must be used within 24 hours after preparation.

Professional users – automated dosing (dosing-pump):

Clean the pipework and inner surfaces before disinfection. The storage-holding tank must be cleaned before use.

Dose the product in the storage-holding tank according to the dosing requirements. Make sure the product is evenly distributed in the water before the solution is added to the system.

Circulate the solution in the system for 60 minutes. Make sure to wet the surfaces completely.

Empty the system after disinfection. Rinse treated pipes and machinery twice with drinking water after application.

The solution must be used within 24 hours after preparation.

For food commodities, ensure that the concentration of chlorate present in food does not exceed the MRL values set in Regulation 2020/749.

4.2.2. *Use-specific risk mitigation measures*

Not relevant

4.2.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

Not relevant

4.2.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

Dispose of content/container in accordance with local regulations.

4.2.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

Please see general directions for use

4.3. **Use description**

Table 3

1.3 Disinfection of drinking water for animals (PT5)

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Common name: Bacteria Development stage: no data Common name: Viruses Development stage: no data
Field(s) of use	indoor use Disinfection of drinking water for animals
Application method(s)	Method: closed system - continuous dosing Detailed description: Professional users: Continuous, automated dosing (dosing pump) into the water system. General public (non-professional) users: Continuous, automated dosing (dosing pump) into the water system.
Application rate(s) and frequency	Application Rate: 0,00003 % (w/w) active chlorine Dosing per 1 litre of water: ECA Disinfect 250: 1,714 ml product ECA Disinfect 500: 0,857 ml product ECA Disinfect 550: 0,779 ml product ECA Disinfect 750: 0,571 ml product ECA Disinfect 800: 0,536 ml product ECA Disinfect 1000: 0,429 ml product Number and timing of application: Continuous dosing (automated dosing).
Category(ies) of users	professional general public (non-professional)
Pack sizes and packaging material	Bottle with screw cap in HDPE/PET material IBC-Tank of HDPE/PTE General public (non-professional) users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20 litres Professional users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20, 500, 600, 1000 litres

4.3.1. *Use-specific instructions for use*

General public (non-professional) users – automated dosing (dosing pump) into the water system:

Dose the product into the water according to the dosing requirements.

Types of Dosing Equipment (General Use Instructions)

1. Timer-Based Dosing Pump

    1. Suitable for systems with a known, fixed water volume.

    2. Set the pump to run for a calculated duration to achieve the desired dosing level.

    3. Always verify calculations and follow the recommended steps for setup and monitoring.

2. Flow Meter-Linked Dosing Pump

    1. Designed for systems where water flow varies.

    2. The pump doses disinfectant proportionally to the measured water flow.

    3. Ensure the equipment is calibrated according to the calculated dosing requirements and follow standard setup and monitoring procedures.

3. Active Substance Monitor-Linked Dosing Pump

    1. Maintains a target concentration of the active substance (e.g., active chlorine) in the water.

    2. May also be connected to a flow meter for additional control.

    3. Set the pump to maintain the required concentration, adjusting as needed based on monitoring results. Always follow the recommended steps for setup, measurement, and adjustment.

General Guidance for All Equipment Types

— Always read and follow the manufacturer's instructions before setting up any dosing equipment.

— Calculate dosing requirements based on system volume, product concentration, and target substance level.

— Regularly monitor and adjust dosing to maintain safe and effective levels.

— Document all settings and measurements for traceability and safety.

Professional users - automated dosing (dosing pump) into the water system:

Dose the product into the water system according to the dosing requirements.

Only use for disinfection of water of drinking water quality.

Do not exceed the national limits for the concentration of chlorine in drinking water.

Ensure that the concentration of chlorate present in drinking water does not exceed the parametric values set in Directive 2020/2184.

4.3.2. *Use-specific risk mitigation measures*

Not relevant

4.3.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

Not relevant

4.3.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

Dispose of content/container in accordance with local regulations.

4.3.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

Please see general directions for use

4.4. **Use description**

Table 4

1.4 Disinfection of drinking water for humans (PT5)

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: other Common name: Bacteria Development stage: no data Scientific name: other Common name: Viruses Development stage: no data
Field(s) of use	indoor use Disinfection at the drinking water suppliers and their water distribution systems. Disinfection of water in reservoirs, e.g., on ships, in mobile homes, small tanks as in a dentist's chair.
Application method(s)	Method: closed system Detailed description: Disinfection at the drinking water suppliers and their water distribution systems: Professional users: Automated dosing (dosing pump) into the water system. Disinfection of water in reservoirs: Professional users: Automated dosing (dosing pump) into the water reservoir. General public (non-professional) users: Automated dosing (dosing pump) into the water reservoir. Adjustment applicable for all authorised fields of use except for small tanks in a dentist's chair in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment, substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV), the technical rules for dosing set out in the Deutscher Verein des Gas Wasserfaches e.V. -working sheets W 229, W 296, W 623 and the minimum contact time of W 229 apply (See section 6 for full reference to the German Ordinance). In addition, the requirements of DIN EN 901 Tab. 1, Type 1 shall be met regarding the purity.
Application rate(s) and frequency	Application Rate: Disinfection at the drinking water supplies and their water distribution systems: 0,00003% (w/w) active chlorine. Disinfection of water in reservoirs: 0,00003% (w/w) active chlorine. Dosing per 1 litre of water: ECA Disinfect 250: 1,714 ml product ECA Disinfect 500: 0,857 ml product ECA Disinfect 550: 0,779 ml product ECA Disinfect 750: 0,571 ml product ECA Disinfect 800: 0,536 ml product ECA Disinfect 1000: 0,429 ml product Number and timing of application: Continuous dosing (automated dosing)

	Adjustment applicable for all authorised fields of use except for small tanks in a dentist's chair in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment, substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV, see section 6 for the full title of this German Ordinance): Application rate: Maximum addition 1,2mg/l available chlorine in water. Concentration range after completion of treatment: max 0,3 mg/l available chlorine in water, min 0,1 mg/l available chlorine in water (including the amounts before treatment and from other treatments) In exceptional cases an addition of up to 5,1 mg/l available chlorine in water and concentration of up to 0,6 mg/l available chlorine in water after treatment is acceptable if disinfection cannot be ensured by other means or if disinfection is temporarily impaired by the presence of ammonium.
Category(ies) of users	professional general public (non-professional)
Pack sizes and packaging material	Bottle with screw cap in HDPE/PET material IBC-Tank of HDPE/PTE Sizes: General public (non-professional) users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20 litres. Professional users: 250, 500, 750 mL, 1, 2.5, 5, 7.5, 10, 20, 500, 600, 1000 litres.

4.4.1. *Use-specific instructions for use*

Disinfection at the drinking water supplies and their water distribution systems.

Professional users – automated dosing (dosing-pump):

Dose the product into the water system according to the dosing requirements.

Disinfection of water in reservoirs:

General public (non-professional) users – automated dosing (dosing-pump):

Clean the water reservoir before filling it with the water to be disinfected.

Dose the product continuously into the water reservoir according to the dosing requirements. Make sure the product is evenly distributed in the solution before using the water.

Types of Dosing Equipment (General Use Instructions)

1. Timer-Based Dosing Pump

    1. Suitable for systems with a known, fixed water volume.

    2. Set the pump to run for a calculated duration to achieve the desired dosing level.

    3. Always verify calculations and follow the recommended steps for setup and monitoring.

2. Flow Meter-Linked Dosing Pump

    1. Designed for systems where water flow varies.

    2. The pump doses disinfectant proportionally to the measured water flow.

    3. Ensure the equipment is calibrated according to the calculated dosing requirements and follow standard setup and monitoring procedures.

3. Active Substance Monitor-Linked Dosing Pump

    1. Maintains a target concentration of the active substance (e.g., active chlorine) in the water.

    2. May also be connected to a flow meter for additional control.

    3. Set the pump to maintain the required concentration, adjusting as needed based on monitoring results. Always follow the recommended steps for setup, measurement, and adjustment.

General Guidance for All Equipment Types

— Always read and follow the manufacturer's instructions before setting up any dosing equipment.

— Calculate dosing requirements based on system volume, product concentration, and target substance level.

— Regularly monitor and adjust dosing to maintain safe and effective levels.

— Document all settings and measurements for traceability and safety.

Professional users - automated dosing (dosing-pump):

Clean the water reservoir before filling it with the water to be disinfected. Dose the product continuously into the water reservoir according to the dosing requirements. Make sure the product is evenly distributed in the solution before using the water.

For disinfection of water in reservoirs:

— Do not use in stationary water.

— Only water of drinking water quality should be used to fill the reservoir.

— The disinfected water must be used within 24 hours after preparation.

Do not exceed the national limits for the concentration of chlorine in drinking water.

Ensure that the concentration of chlorate present in drinking water does not exceed the parametric values set in Directive 2020/2184.

4.4.2. *Use-specific risk mitigation measures*

Not relevant

4.4.3. *Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment*

Not relevant

4.4.4. *Where specific to the use, the instructions for safe disposal of the product and its packaging*

Dispose of content/container in accordance with local regulations.

4.4.5. *Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage*

Please see general directions for use

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 1

5.1. **Instructions for use**

Comply with the instructions for use.

Please see authorised use section.

5.2. **Risk mitigation measures**

Precleaning of surfaces required before using disinfectants

5.3. **Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.

IF SWALLOWED: If symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: Wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

If medical advice is needed, have product container or label at hand.

5.4. **Instructions for safe disposal of the product and its packaging**

Please see authorised use section.

5.5. **Conditions of storage and shelf-life of the product under normal conditions of storage**

Keep out of reach of children and non-target animals/pets.

Must be stored at a temperature of maximum 20 °C.

Protect from frost.

Protect from light.

Shelf-life: 18 months

6. OTHER INFORMATION

With respect to the "Category(ies) of user(s)" note: Professionals (including industrial users) means trained professionals if this is required by national legislation.

Commission Regulation (EU) 2020/749 of 4 June 2020 amending Annex III to Regulation (EC) No 396/2005 of the European Parliament and of the Council as regards maximum residue levels for chlorate in or on certain products (OJ L 178, 8.6.2020, pp. 7 ELI: http://data.europa.eu/eli/reg/2020/749/oj).

Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (OJ L 435, 23.12.2020, pp. 1 ELI: http://data.europa.eu/eli/dir/2020/2184/oj).

References to national provisions for the adjustment applicable in the territory of Germany according to Article 44(5), second subparagraph, of Regulation (EU) No 528/2012:

German Ordinance on the Quality of Water Intended for Human Consumption - Verordnung über die Qualität von Wasser für den menschlichen Gebrauch (Trinkwasserverordnung – TrinkwV) in the version of the Second Ordinance for the Revision of the Drinking water Ordinance (Zweite Verordnung zur Novellierung der Trinkwasserverordnung vom 20. Juni 2023 (Bundesgesetzblatt I Nr. 159), https://www.gesetze-im-internet.de/englisch_trinkwv/englisch_trinkwv.pdf.

List of authorised treatment substances and disinfection processes of Section 20 of the TrinkwV: Bekanntmachung des Umweltbundesamtes der Liste zulässiger Aufbereitungsstoffe und Desinfektionsverfahren nach § 20 der Trinkwasserverordnung (Stand: Januar 2023) vom 13. Januar 2023, BAnz AT 27.01.2023 B12.

Deutscher Verein des Gas- und Wasserfaches e.V. (German Technical and Scientific Association for Gas and Water).

Part II, Lfd. Nr.6 of the list of authorised treatment substances and disinfection processes of Section 20 of the TrinkwV.

Part I c, Lfd. Nr.4 of the list of authorised treatment substances and disinfection processes of Section 20 of the TrinkwV.

DIN EN 901: Chemicals used for treatment of water intended for human consumption - Sodium hypochlorite

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 1

7.1. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 250		
Authorisation number			EU-0036247-0001 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,019 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,025 % (w/w)

7.2. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 500		
Authorisation number			EU-0036247-0002 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,04 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,05 % (w/w)

7.3. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 550		
Authorisation number			EU-0036247-0003 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,04 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,055 % (w/w)

7.4. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 750		
Authorisation number			EU-0036247-0004 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,056 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,075 % (w/w)

7.5. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 800		
Authorisation number			EU-0036247-0005 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,06 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,08 % (w/w)

7.6. **Trade name(s), authorisation number and specific composition of each individual product**

Trade name(s)			ECA Disinfect 1000		
Authorisation number			EU-0036247-0006 1-1		
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hypochlorous acid	Hypochlorous acid	Releaser	7790-92-3	232-232-5	0,074 % (w/w)
Active chlorine released from hypochlorous acid	Active chlorine released from hypochlorous acid	Active substance			0,1 % (w/w)