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COMMISSION IMPLEMENTING REGULATION (EU) 2026/2300

of 15 October 2026

granting a Union authorisation for the biocidal product family 'Active chlorine based products BPF – CID LINES NV' 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 paragraph, thereof,

Whereas:

(1) On 19 December 2018, CID LINES NV submitted an application in accordance with Article 43(1) of Regulation (EU) No 528/2012 for authorisation of a biocidal product family named 'Active chlorine based products BPF – CID LINES NV' of product-types 2, 3, 4 and 5, as described in Annex V to that Regulation, providing written confirmation that the competent authority of Belgium had agreed to evaluate the application. The application was recorded under case number BC-MY047028-07 in the Register for Biocidal Products.

(2) 'Active chlorine based products BPF – CID LINES NV' contains active chlorine released from sodium hypochlorite as the active substance, which is 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, 3, 4 and 5.

(3) On 23 March 2021, 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 European Chemicals Agency ('the Agency').

(4) On 4 November 2021, the Agency submitted to the Commission an opinion ([2]), including the draft summary of the biocidal product characteristics ('SPC') of 'Active chlorine-based products BPF – CID LINES NV' 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 'Active chlorine based products BPF – CID LINES NV' 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 22 November 2021, 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) On 24 June 2022, the Standing Committee on Biocidal products questioned the risk mitigation measures proposed in the Agency opinion to protect operators against irreversible damages of applying corrosive particles by coarse pressure spraying. The Commission considered appropriate to postpone its decision until appropriate measures were identified to mitigate that risk.

([1]) OJ L 167, 27.6.2012, p. 1, ELI: http://data.europa.eu/eli/reg/2012/528/oj.
([2]) ECHA opinion of 6 October 2021 on the Union authorisation of 'Active chlorine based products BPF-CID LINES NV' (ECHA/BPC/288/2021).

(8) Following further discussions with the Agency and the evaluating competent authority, on 28 April 2023, the Commission requested the Agency in accordance with Article 75(1), point (g), of Regulation (EU) No 528/2012 to clarify whether the wearing of personal protective equipment or respiratory protective equipment for the application of biocidal products classified for skin and eyes corrosion Category 1A and corrosive to the respiratory tract in accordance with Regulation (EC) No 1272/2008 ([3]) and applied by foaming and coarse pressure spraying is in line with the Agency technical guidance ([4]), and if so, to clarify for which working conditions this could apply and if any additional risk mitigations measures would be required.

(9) On 11 September 2025, the Agency issued an opinion ([5]), in which it concluded that the use of protective equipment for the application of biocidal products classified for skin and eyes corrosion Category 1A and corrosive to the respiratory tract and applied by foaming and coarse pressure spraying can be acceptable and is in line with the Agency technical guidance.

(10) The Commission concurs with the opinions of the Agency and considers it therefore appropriate to grant a Union authorisation for 'Active chlorine based products BPF – CID LINES NV'.

(11) In its opinion of 11 September 2025, the Agency recommends that the authorisation holder conducts a self-accelerating decomposition temperature (SADT) test for 'Active chlorine-based products BPF – CID LINES NV' as a condition in the authorisation. That test should confirm that the products in meta-SPCs 1, 3 to 11 and 13 to 15 are not to be classified as self-reactive mixture.

(12) The Commission agrees with that recommendation and considers that the submission of the results of that test confirming the non-classification should be a condition relating to the making available on the market and use of the biocidal products in 'Active chlorine based products BPF – CID LINES NV' in meta SPCs 1, 3 to 11 and 13 to 15 pursuant to Article 22(1) of Regulation (EU) No 528/2012. The Commission also considers that the fact that data is to be provided after the authorisation is granted does not affect the conclusion on the fulfilment of the condition under Article 19(6) of that Regulation based on existing data.

(13) 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-0027465-0000 is granted to CID LINES NV for the making available on the market and use of the biocidal product family 'Active chlorine based products BPF – CID LINES NV' subject to compliance with the terms and conditions set out in Annex I and in accordance with the summary of the biocidal product characteristics set out in Annex II.

The Union Authorisation is valid from 17 November 2026 until 31 October 2036.

([3]) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ L 353, 31.12.2008, p. 1, ELI: http://data.europa.eu/eli/reg/2008/1272/oj).

([4]) ECHA Guidance on the Biocidal Products Regulation Volume III: Human health – Parts B+C, Version 5.0, August 2025. Section 4.4.2 (and in particular example 5).

([5]) ECHA opinion of 11 September 2025 on the Union authorisation of 'Active chlorine based products BPF – CID LINES NV' (ECHA/BPC/498/2025), https://echa.europa.eu/bpc-opinions-on-union-authorisation.

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, 15 October 2026.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX I

TERMS AND CONDITIONS (EU-0027465-0000)

The authorisation holder shall conduct a self-accelerating decomposition temperature (SADT) test for 'Active chlorine-based products BPF – CID LINES NV' to confirm that the biocidal products in meta SPCs 1, 3 to 11 and 13 to 15 are not to be classified as a self-reactive mixture.

By 17 November 2027 the authorisation holder shall submit the results of the test confirming the non-classification to the Agency.

ANNEX II

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT FAMILY

Active chlorine based products BPF – CID LINES NV

Product type(s)

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

PT04: Food and feed area

PT03: Veterinary hygiene

PT05: Drinking water

Authorisation number: EU-0027465-0000

R4BP asset number: U-0027465-0000

PART I

FIRST INFORMATION LEVEL

1. ADMINISTRATIVE INFORMATION

1.1 **Family name**

Name	Active chlorine based products BPF – CID LINES NV

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 PT03: Veterinary hygiene PT05: Drinking water

1.3 **Authorisation holder**

Name and address of the authorisation holder	Name	CID LINES NV
	Address	Waterpoortstraat 2 8900 Ieper BE
Authorisation number	EU-0027465-0000	
R4BP asset number	EU-0027465-0000	
Date of the authorisation	17 November 2026	
Expiry date of the authorisation	31 October 2036	

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

Name of manufacturer	Ecolab Europe GmbH
Address of manufacturer	Richtistrasse 7 8304 Wallisellen Switzerland
Location of manufacturing sites	Laboratoires Anios Laboratoires Anios, 3330 Rue de Lille, 59262 Sainghin-en-Mélantois France Ecolab production France SAS ECL Châlons, AVENUE DU GENERAL PATTON, 51000 Châlons en Champagne France SOLUSCOPE Rue du Fauge 100, ZI Les Paluds, 13400 Aubagne France Ecolab Rozzano, Italy ECL Rozzano, Via A. Grandi, 20089 Rozzano MI Italy NALCO ITALIANA MANUFACTURING SRL Via Vernea 99, 10042 Nichelino Italy NUOVA FARMEC SRL Via W. Flemming 7, 37026 Settimo di Pescantina (Verona) Italy Ecolab Mandra, Greece Athinon - Thivon Old National Rd (25th Km), GR 19600 Thivon Greece Ecolab Weavergate Winnington Avenue, CW8 3AA Northwich Cheshire United Kingdom of Great Britain and Northern Ireland (the) Techtex Units 7&8 Rhodes Business Park Silburn Way, M24 4NE Middleton Manchester United Kingdom of Great Britain and Northern Ireland (the) Ecolab Limited Baglan Energy Park, Lot 7, Brunel Way, SA11 2G Neath United Kingdom of Great Britain and Northern Ireland (the) Ecolab Bioquell 52 Royce Close, Portway, SP10 3TS Andover Hampshire United Kingdom of Great Britain and Northern Ireland (the) CID LINES N.V.Waterpoortstraat 2, 8900 Ieper Belgium Ecolab B.V.B.A INDUSTRIEZONE RAVENSHOUT 4, 3980 Tessenderlo Belgium Nalco Deutschland Manufacturing GmbH und Co.KG Justus-von-Liebig-Str. 11, D-64584 Biebesheim Germany Ecolab Engineering GmbH Raiffeisenstrasse 7, 88313 Siegsdorf Germany Ecolab Mullingar, Ireland Central Forest Park. Zone C Mullingar Business Park, N91 E1WD Mullingar Co. Westmeath Ireland Ecolab d.o.o. Vajngerlova 4, 2000 Maribor Slovenia Nalco Española Manufacturing, SLU NALCO - Celra C/ Tramuntana s/n Polígon Industrial Celrà, 17460 Girona Spain NALCO FINLAND MANUFACTURING OY Kivikummuntie 1, FIN-07955 Tesjoki Finland BRENNTAG Nordic Site 1 Strandgade 35, 7100 Vejle Denmark BRENNTAG Nordic Site2 Høsten Teglværksvej 47, 4690 Haslev Denmark BRENNTAG Nordic Site 3 Borupvang 5B, 2750 Ballerup Denmark BRENNTAG NORDIC A/S Site 1 Kalnesveien 1, 1712 Grålum Norway BRENNTAG NORDIC A/S Site 2 Vevgatan 2, 504 64 Borås Sweden BRENNTAG NORDIC A/S Site 4 Lotsgatan 1, 392 31 Kalmar Sweden Brenntag GmbH Site 1 Am Röhrenwerk 46, 47259 Duisburg Germany

	Brenntag GmbH Site 2 Messeallee 11, 45131 Essen Germany Brenntag GmbH Site 3 Carl-Benz-Str. 8, 60314 Frankfurt am Main Germany Brenntag GmbH Site 4 Boschstr.3, 08371 Glauchau Germany Brenntag GmbH Site 5 Hannoversche Str. 40, 21079 Hamburg Germany Brenntag GmbH Site 6 Dieselstr. 5, 74076 Heilbronn Germany Brenntag GmbH Site 7 Merkurstr. 47, 67663 Kaiserslautern Germany Brenntag GmbH Site 8 Am Fieseler Werk 9, 34253 Lohfelden Germany Brenntag GmbH Site 9 Rupert-Bodner-Str. 20, 81245 München Germany Brenntag GmbH Site 10 Am Nordseekai 22, 73207 Plochingen Germany Brenntag GmbH Site 11 Magirus-Deutz-Str. 12, 89077 Ulm Germany Brenntag Poland Site 1 ul. Pijarska 1, 05-530 Góra Kalwaria Poland Brenntag Poland Site 2 Przemysłowa 2, 62-080 Jankowice Poland Brenntag Poland Site 3 Józefa Bema 21, 47-224 Kędzierzyn-Koźle Poland Brenntag Poland Site 4 ul. Kwasowa 5, 95-100 Zgierz Poland Brenntag Poland Site 5 Komenského 75, 768 11 Chropyně Czechia Brenntag Poland Site 6 Mezi úvozy 1850/1, 193 00 Praha 9-Horní Počernice Czechia Brenntag Poland Site 7 Bányalég u. 45, 1225 Budapest Hungary Brenntag S.R.L. Site 1 Str Garii Nr 2 BIS, 77040 Com.Chiajna, Jud.Ilfov Romania Brenntag S.R.L. Site 2 Drumul Gării 1, 077040 Chiajna Romania Brenntag Slovakia s.r.o. Glejovka 15, 902 03 Pezinok Slovakia Brenntag GmbH Site 12 Elsässerstrasse 231, 4056 Basel Switzerland Brenntag BRENNTAG BRENNTAG CEE – Guntramsdorf, Austria Bahnstr. 13, 2353 Guntramsdorf Austria BRENNTAG Normandie, France 12 Sente des Jumelles - BP 11, 76710 Montville France A.F.P. GmbH Otto-Brenner-Straße 16-18, 21337 Lüneburg Germany Alcochem Minerals B.V. Zeilmaker 4, 3861 SM Nijkerk Netherlands (the) FAREVA ARDEPHARM 1041 Chemin de la digue du Rhône, 07300 Tournon-sur-Rhône France FAREVA Interfill LLC Moskovskoye Chausse 1, 187000 Tosno Russian Federation (the) CHRISTEYNS NV Site 1 Rutland St, BD4 7EA Bradford United Kingdom of Great Britain and Northern Ireland (the) CHRISTEYNS NV Site 2 2 Cameron Court, WA2 8RE Warrington United Kingdom of Great Britain and Northern Ireland (the) DAN MOR (DR WIPE) 29 Hailan St., 3060000 Or Akiva Industrial Zone Israel Farmak Moravia a.s. Na Vlčinci 16/3, 779 00 Olomouc Czechia

	FELT 10 Rue du Vertuquet, 59960 Neuville-en-Ferrain, France FERDINAND EIMERMACHER GMBH &CO.KG Westring 24, 48356 Nordwalde Germany GANDAE Gaardeniersweg 2, 9000 Gent Belgium HYDRACHEM LTD Unit 16 Gillmans Industrial Estate, Natts Lane, RH14 9EZ Billingshurst United Kingdom of Great Britain and Northern Ireland (the) INNOVATE GMBH Gewerbegebietsstraße 30, 06618 Schönburg Germany Jago Pro Szczakowska 35, 43-600 Poland KEMVIT OY Bastintie 303, 68410 Alaveteli Finland KOMPAK NEDERLAND BV Munnikenheiweg 63, 4879 NE Etten-Leur Netherlands (the) La Antigua Lavandera S.L. Carretera Sevilla Alcala 75, 41500 Alcala DE Guadaira (Sevilla) Spain Lichtenheldt GmbH Industriestr. 7 – 11, 23812 Wahlstedt bei Bad Segeberg Germany MKS GMBH & CO Am Ockenheimer Graben 43, 55411 Bingen am Rhein Germany PAL INTERNATIONAL Bilton Way, LE17 4JA United Kingdom of Great Britain and Northern Ireland (the) PENNWHITE LTD Aston Way, Midpoint 18 Business Park, CW10 0HS Middlewich United Kingdom of Great Britain and Northern Ireland (the) RNM PRODUTOS QUIMICOS, LDA Avenida das Searas, nº 132, 4770-329 Landim Portugal RUTPEN LTD Membury Airfield, RG17 7TJ Lambourn United Kingdom of Great Britain and Northern Ireland (the) Solimix Montseny 17-19, Pol. Ind. Sant Pere Molanta 08799 Olerdola Barcelona Spain Staub & Co. GmbH M Industriestraße 3, 86456 Gablingen Germany TECHNIKRAFT LTD Britannia Road, DN14 6ET Goole United Kingdom of Great Britain and Northern Ireland (the) VAN DAM BODEGRAVEN BV Zeppelinstraße 12, 45470 Mülheim an der Ruhr Germany VARENNE LABORATOIRE 2 Rue du Château, 60126 Rivecourt France Evonik Peroxid GmbH Fabrikstraße 1, 9721 Weißenstein ob der Drau Austria Belinka, Slovenia Belinka Zasavska Cesta 95, 1231 Ljubljana Slovenia Budich International Gmbh, Germany Budich International GmbH Dieselstrasse 10, 32120 Hiddenhause Germany BRENNTAG NORDIC A/S Site 3 Norra Bangatan 3, 718 32 Frövi Sweden PLUM A/S, Denmark Frederik Plums Vej 2, 5610 Assens Denmark

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

Active substance	Active chlorine released from sodium hypochlorite
Name of manufacturer	Vynova Belgium NV
Address of manufacturer	Heilig Hartlaan 21 3980 Tessenderlo Belgium

Location of manufacturing sites	Vynova Belgium NV site 1 Heilig Hartlaan 21 3980 Tessenderlo Belgium

Active substance	Active chlorine released from sodium hypochlorite
Name of manufacturer	Nouryon Industrial Chemicals B.V.
Address of manufacturer	Velperweg 76 6824 BM Arnhem Netherlands (the)
Location of manufacturing sites	Nouryon Industrial Chemicals B.V. site 1 Oosterhorn 4 9936 HD Farmsum (Delfzijl) Netherlands (the)

Active substance	Active chlorine released from sodium hypochlorite
Name of manufacturer	INOVYN Europe LTD
Address of manufacturer	Avenue Des Olympiades 20 B-1140 Brussels Belgium
Location of manufacturing sites	INOVYN Europe LTD site 1 Rue Solvay 39 5190 Jemeppe-sur-Sambre Belgium INOVYN Europe LTD site 2 Haven 647, Scheldelaan 480 2040 Antwerpen Belgium

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 (%)
Active chlorine released from sodium hypochlorite		Active substance			1,9 - 12,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	10,56 - 69,45 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	0 - 13,75 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	0 - 12,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	0 - 3 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	0 - 13,5 % (w/w)

2.2 **Type(s) of formulation**

Formulation type(s)	AL Any other liquid 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

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 PT03: Veterinary hygiene 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 (%)
Active chlorine released from sodium hypochlorite		Active substance			2,6 - 2,6 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	14,44 - 14,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	1 - 1,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	1,5 - 3 % (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	H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER / doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4. AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 1.1: Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping – professional use

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels (not in healthcare areas): Disinfection of hard/non-porous surfaces, without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Concentrated product, to be diluted. For disinfection procedures by :- Brushing, - Foaming: low pressure foaming device or trigger foam, - Spraying: low pressure coarse spraying device or trigger spray, - Pouring followed by wiping. Rinse after disinfection with water of drinking water quality.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. Active against bacteria, fungi/yeasts and viruses : at 25 % at Room Temperature in 25 min contact time Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— Bottle: 1 L, 1 Kg — Drum: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — Container: 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density PolyEthylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

— Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

— Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

— Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 25 %. (Dose 25 ml product to prepare a 100 mL solution)

Application:

Application can be done by brushing (apply by using a brush), foaming (apply by using a low pressure foaming device or trigger foam), spraying (apply by using a low pressure coarse spraying device or trigger spray), pouring followed by wiping (apply by using a wipe).

Application rate is 250 mL/m². Foaming and spraying are done at low pressure avoiding the formation of aerosols. Make sure to foam/spray/ brush/pour and wipe sufficient liquid to keep the surface wet for at least 25 minutes.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: to be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 1

5.1 **Instructions for use**

See use-specific instructions for each use.

Do not mix with other chemicals.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures **by spraying, foaming, brushing or pouring followed by wiping** : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing and loading, application (brushing/pouring and wiping) and post application step:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During application (trigger spraying/foaming):

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 4, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

During application by foaming and by coarse spraying

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent.

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Respiratory protective equipment (RPE) providing a protection factor of 40 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH3/TM3), or a full-face mask (EN 136 or equivalent) with particle filter (EN 143 filters or equivalent), type P3.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Apply the product with a lance to increase the distance between the user and the source of emission.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room.

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

Trigger spraying/foaming:

In order to reduce inhalatory exposure product may only be applied by trigger spraying device delivering coarse droplets (MMAD > 100). Please refer to device supplier for technical details.

Foaming and Coarse spraying: In order to reduce inhalatory exposure product may only be applied by coarse spraying. Please refer to device supplier for technical details.

Ensure that the application by foaming or by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information.

After disinfection by foaming or by coarse spraying, the treated area can be re-entered only when an ambient air concentration of chlorine is ensured to be below 0,5 mg/m³.

If no appropriate method to determine the chlorine air concentration after use is available, contact the supplier.

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 12 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

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)		Chlorofresh			
		Kenolux S300			
Authorisation number		EU-0027465-0001 1-1			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			2,6 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	14,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	1,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	1,5 % (w/w)

1 META SPC 2 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 2 identifier**

Identifier	Meta SPC: meta SPC 2

1.2 **Suffix to the authorisation number**

Number	1-2

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 2 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 2**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			1,9 - 1,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	10,56 - 10,56 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	0,9 - 0,9 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 2**

Formulation type(s)	AL Any other liquid

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 2

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H412: Harmful to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves / protective clothing / eye protection / face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a poison center/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 2.1 Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .

Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels (not in healthcare areas): Disinfection of hard/non-porous surfaces, without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Ready-to-Use product For disinfection procedure by :- Brushing, - Foaming/ Spraying: trigger spray/foam- Pouring followed by wiping. Rinse after disinfection with water of drinking water quality.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. — Active against bacteria & fungi/yeasts : 100 % at Room Temperature in 10 min contact time — Active against bacteria, fungi/yeasts and viruses : 100 % at Room Temperature in 15 min contact time Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Sprayers**: 500 mL, 750 mL, 1 L, 1 Kg — **Bottle**: 500 mL, 750 mL, 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

For professionals, in order to fill smaller packagings:

Manual mixing and loading: Container is opened manually and product is poured in the recipient.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: The product is used pure.

Application:

Make sure to apply sufficient liquid to keep the surface wet for at least 10 minutes for bacteria, yeasts and fungi, and 15 minutes for bacteria, fungi/yeasts and viruses.

Application rate: 250 mL/m^2. The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Brushing: a brush with a handle has to be used to apply the solution.

Pour the solution directly on the surface and brush.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: to be used in between production and/or part of daily cleaning

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

— Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

— Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use

.

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

See general directions for use

.

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

See general directions for use

.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 2

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

Disinfection cycle :

— Contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures **by spraying, foaming, brushing or pouring followed by wiping** : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During loading, application (brushing, pouring followed by wiping) and post application step:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection

in line with EN 166 or equivalent

during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During trigger spraying/foaming:

Wear protective chemical resistant gloves during product handling phase

in line with EN 374 or equivalent

(glove material to be specified by the authorisation holder within the product information).

The use of eye protection

in line with EN 166 or equivalent

during handling of the product is mandatory.

A protective coverall (at least type 4, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life if the product is 12 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 2

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

Trade name(s)		FungiKill			
		Kenolux FungiKill Pro			
Authorisation number		EU-0027465-0002 1-2			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			1,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	10,56 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	0,9 % (w/w)

1 META SPC 3 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 3 identifier**

Identifier	Meta SPC: meta SPC 3

1.2 **Suffix to the authorisation number**

Number	1-3

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 3 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 3**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			2,6 - 2,6 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	14,44 - 14,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	1 - 1,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	1,5 - 3 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 3**

Formulation type(s)	AL Any other liquid

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 3

Hazard statements	H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).
Precautionary statements	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read carefully and follow all instructions. P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P264: Wash hands thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 3.1 - Disinfection of hard non-porous surfaces of toilets. Disinfection by pouring the liquid inside the walls of the toilet bowl – professional & non-professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .

Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels (not in healthcare areas): Disinfection of hard/non-porous inside surfaces of toilets, without prior cleaning
Application method(s)	Method: Disinfection by pouring the liquid inside the walls of the toilet bowl Detailed description: Ready-to-Use product For disinfection procedure by pouring. Flush after contact time.
Application rate(s) and frequency	Application Rate: Maximum application rate: Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time. Active against bacteria, fungi/yeasts and viruses : 100 % at Room Temperature in 25 min contact time Number and timing of application: Frequency: Professionals: Part of daily cleaning Non-professionals: a few times/week
Category(ies) of users	professional; general public (non-professional)
Pack sizes and packaging material	Non-professionals: Plug bottle: 500 mL, 750 mL, 1 L, 1 kg, tactile warning and child-resistant fastening Professionals Plug bottle: 500 mL, 750 mL, 1 L, 1 kg Drum: 200 L, 220 L, 200 kg, 220 kg, 240 kg Container: 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Professionals:

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Professionals & non-professionals:

Loading: by pouring the product in the toilets

Dilution:

bacteria, fungi/yeasts and viruses: The product is used pure.

Application:

Make sure to apply sufficient liquid to keep the surface wet for at least 25 minutes.

Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Flush after contact time.

Post-application: empty containers are disposed of.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 3

5.1 **Instructions for use**

Comply with the instructions for use.

See use-specific instructions for each use

Do not mix with other chemicals.

Disinfection procedures **by pouring** :

The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

Professionals - Fully automated mixing and loading:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Professionals and Non-professionals - application:

Wash hands thoroughly after handling.

Wash face/eyes after accidental exposure.

Keep away from children.

Apply only into the rim of the toilet to avoid skin contact.

Avoid splashing.

Avoid contact with skin and eyes.

Do not brush the product in toilet bowl.

Flush toilet after contact time.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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.

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life if the product is 12 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 3

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

Trade name(s)		Kenolux SD250			
Authorisation number		EU-0027465-0003 1-3			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			2,6 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	14,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	1 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	3 % (w/w)

1 META SPC 4 ADMINISTRATIVE INFORMATION

1.1 Meta SPC 4 identifier

Identifier	Meta SPC: meta SPC 4

1.2 **Suffix to the authorisation number**

Number	1-4

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 4 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 4**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 - 3,8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 - 21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	11 - 11 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 4**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 4

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective goloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 4.1 - PT2 - CIP procedures with or without circulation in industries - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with or without circulation, with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 2 % 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +40 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 1 % 3) CIP procedures (without circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % 4) Activity against P.aeruginosa & S.aureus-biofilms: at 1 % at +20 °C in 60 min contact time in dirty conditions Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

In clean conditions: Prior to disinfection, clean the surfaces

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: to be used in between production cycles as intermediate cleaning and/or part of daily cleaning

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 - Use # 4.2 - CIP procedures with or without circulation in food industry - professionals

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking), with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking), with/without prior cleaning Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 2 % 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +40 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 1 % 3) CIP procedures (without circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % 4) Activity against P.aeruginosa & S.aureus-biofilms: at 1 % at +20 °C in 60 min contact time in dirty conditions Number and timing of application: Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

In clean conditions: Prior to disinfection, clean the surfaces

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation (including soaking): Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 - Use # 4.3 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . # at +55 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % - # at +60 °C in 8 min contact time : Active against bacteria & yeasts : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

Product is applied by CIP (automated application). Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 **Use description**

PT4 - Use # 4.4 - Surface disinfection in Ware Washers

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry : Disinfection of hard/non-porous surfaces in ware washers (in commercial ware washers including crate washers, dishwashing machines, glass washing machines, cutlery, disinfection of trays of eggs…) with prior cleaning.
Application method(s)	Method: surface disinfection in ware washers Detailed description: Disinfection by dosing the recommended dilution into the closed system of the ware washers.

Application rate(s) and frequency	Application Rate: . at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Number and timing of application: Frequency: continuously
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

In clean conditions: Prior to disinfection, clean the surfaces

Product is added into the system by dosing the recommended dilution (closed system).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: Empty containers are disposed of.

Frequency: continuously

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 - Use # 4.5 - Surface disinfection in Drinking water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry: Disinfection of hard/non-porous surfaces in drinking water distribution systems, with or without prior cleaning
Application method(s)	Method: surface disinfection in drinking water systems Detailed description: Disinfection via dosing the recommended dilution into the closed system. The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) Without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +40 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 1 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms: 1 % Number and timing of application: Frequency: Periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: Periodic disinfection.

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general

directions for use.

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

See general

directions for use.

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

See general

directions for use.

4.6 **Use description**

PT4 - Use # 4.6 - Surface disinfection in Veterinary water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use outdoor use In veterinary industry: Disinfection of hard/non-porous surfaces in veterinary drinking water systems, with/without prior cleaning
Application method(s)	Method: surface disinfection in veterinary water systems Detailed description: Disinfection via dosing the recommended dilution into the closed system.
Application rate(s) and frequency	Application Rate: . WITH prior cleaning, at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % Without prior cleaning, at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms: 1 % Number and timing of application: Periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Product is applied by continuous dosing.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: periodic disinfection

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general

directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 4

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label: 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures **by soaking/dipping/CIP/closed systems** : According to the Applicant, the soaking/dipping/CIP solution is prepared *ad hoc* (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared *ad hoc* (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 4

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

Trade name(s)	DM Cid
	HCP Base Standard
	SynQ Yellow CIP Des
	Hoeve Super Extra
	Kenolux Wash CL
	Lac blauw/bleu

	Muh Eifelrein A
	Lac Clean
	ALKACID
	Recolin
	Kenolux Wash CL
	MMR Gold Alk
	Bühning Aktiv Chlor Spezial
	Dairyline A
	EVG Premium A
	Hansa R-MA-EXTRA
	Jürgen Brauer Alkalisch
	Nibberich Melkanlagen flüssig alkalisch
	Roesener Alkalisch SP
	ANRO Al Alkalisch
	CHLORCIP
	AGIB BLAUW
	SP 100
	Alcloro Cua
	GEROPLUS
	DM Chlor
	Lavage Désinfectant
	Lavage Désinfectant CL
	MiQro Dish
	DM Chlor BE
	Meloplus
	DM Cid Plus
	DM Cid Forte
	Alkapower
	Kalirein
	Chlororein
	Kalina
	Alcacid
	Dairy DM
	Agro Logic Lac Blauw
	Alcloro CUA
	Clean 55 CIP
	Super Dish Chloor
	Chlor CIP
Authorisation number	EU-0027465-0004 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	11 % (w/w)

1 META SPC 5 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 5 identifier**

Identifier	Meta SPC: metaSPC 5

1.2 **Suffix to the authorisation number**

Number	1-5

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 5 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 5**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4 - 4,9 % (w/w)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	22,22 - 27,22 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	9,5 - 9,5 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 5**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 5

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 Use description

PT2 Use # 5.1 - CIP procedures with or without circulation in industries - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: virus Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with or without circulation, with/without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) Without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: . 3) CIP procedures (without circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 1 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Activity against P.aeruginosa- & S.aureus-biofilms: at 1,5 % at +20 °C in 60 min contact time in dirty conditions Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 5.2 - CIP procedures with or without circulation in food industry - professionals

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking), with/without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking). Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) Without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: . 3) CIP procedures (without circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 1 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Activity against P.aeruginosa- & S.aureus-biofilms: at 1,5 % at +20 °C in 60 min contact time in dirty conditions Number and timing of application: Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use # 5.3 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . — at +55 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % — at +60 °C in 8 min contact time : Active against bacteria & yeasts : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general

directions for use.

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

See general

directions for use.

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

See general

directions for use.

4.4 **Use description**

PT4 - Use # 5.4 - Surface disinfection in Ware Washers - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (in commercial ware washers including crate washers, dishwashing machines, glass washing machines, cutlery, disinfection of trays of eggs…): Disinfection of hard/non-porous surfaces in ware washers, with prior cleaning
Application method(s)	Method: Surface disinfection in ware washers Detailed description: Disinfection by dosing the recommended dilution into the closed system of the ware washers.

Application rate(s) and frequency	Application Rate: . at +55 °C in 1 min contact time : Active against bacteria, yeasts and viruses : 2 % Number and timing of application: Frequency: continuously
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Product is added into the system by dosing the recommended dilution (closed system).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: Empty containers are disposed of.

Frequency: continuously

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 Use # 5.5 - Surface disinfection in Drinking water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry: Disinfection of hard/non-porous surfaces in drinking water distribution systems, with/without prior cleaning
Application method(s)	Method: Surface disinfection in drinking water systems Detailed description: Disinfection via dosing the recommended dilution into the closed system. The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) Without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms: 1,5 % Number and timing of application: Frequency: Periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	**-Bottle**: 1 L, 1 Kg **-Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg **-Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: Periodic disinfection

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general

directions for use.

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

See general

directions for use.

4.6 **Use description**

PT4 Use # 5.6 - Surface disinfection in Veterinary water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .

Field(s) of use	indoor use outdoor use In veterinary industry: Disinfection of hard/non-porous surfaces in veterinary drinking water systems, with/without prior cleaning
Application method(s)	Method: Surface disinfection in veterinary water systems Detailed description: Disinfection by dosing the recommended dilution into the closed system.
Application rate(s) and frequency	Application Rate: . WITH prior cleaning, at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % without prior cleaning, at +20 °C in 60 min contact time Active against P.aeruginosa- & S.aureus-biofilms: 1,5 % Number and timing of application: Frequency: Periodic disinfection.
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: Periodic disinfection

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general

directions for use.

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

See general

directions for use.

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

See general

directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 5

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

1) The surfaces to be disinfected must be cleaned before the disinfection procedure if required.
   For the relevant uses, the following precautionary sentence will be added on the product label: 'thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

2) Disinfection cycle :

   — Products must be diluted in clean water before use.

   — Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

   — Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures **by soaking/dipping/CIP/closed systems** : According to the Applicant, the soaking/dipping/CIP solution is prepared *ad hoc* (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared *ad hoc* (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 5

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

Trade name(s)	Eco Chlor
	Hoeve Clean Extra
	Zasch Alkalisch
	Roesener Alkalisch
	Eifelrein A
	Eurorein A
	Anro Alkalisch
	ALKAWIT NEW
	DETERK
	Cleamen 641
	Mirox blue
	DETER CHLOR
	CHLOR CLEAN
	Natichlor
	Chlorotop
	Power Clean A
	Alkona
	Deterget Plus
Authorisation number	EU-0027465-0005 1-5

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	22,22 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	9,5 % (w/w)

1 META SPC 6 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 6 identifier**

Identifier	Meta SPC: metaSPC 6

1.2 **Suffix to the authorisation number**

Number	1-6

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 6 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 6**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,5 - 4,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	25 - 27,22 % (w/w)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	5,5 - 13,75 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	4,5 - 5,5 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 6**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 6

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 6.1 - CIP procedures with or without circulation in industries - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with or without circulation, with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted.For disinfection procedure by CIP with or without circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: . 3) CIP procedures (without circulation) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Active against P.aeruginosa- & S.aureus-biofilms: at 1 % at +20 °C in 60 min contact time, without prior cleaning Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 6.2 - CIP procedures with or without circulation in food industry - professionals

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking) with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking). Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: . 3) CIP procedures (without circulation) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Active against P.aeruginosa- & S.aureus-biofilms: at 1 % at +20 °C in 60 min contact time, wiithout prior cleaning Number and timing of application: Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Pipelines and tanks are empty before disinfection.

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 - Use # 6.3 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . Active against bacteria & yeasts : — At +50 °C in 8 min contact time: 1 % — at +55 °C in 15 min contact time : 0,5 % — at +60 °C in 8 min contact time : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 **Use description**

PT4 Use # 6.4 - Surface disinfection in Ware Washers - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (in commercial ware washers including crate washers, dishwashing machines, glass washing machines, cutlery, disinfection of trays of eggs…): Disinfection of hard/non-porous surfaces in ware washers, with prior cleaning
Application method(s)	Method: Surface disinfection in ware washers Detailed description: Disinfection by dosing the recommended dilution into the closed system of the ware washers.
Application rate(s) and frequency	Application Rate: . at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Number and timing of application: Frequency: continuously

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Product is added into the system by dosing the recommended dilution (closed system).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: Empty containers are disposed of.

Frequency: continuously

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 Use # 6.5 - Surface disinfection in Drinking water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry: Disinfection of hard/non-porous surfaces in drinking water distribution systems, with or without prior cleaning
Application method(s)	Method: Surface disinfection in drinking water systems Detailed description: Disinfection by dosing the recommended dilution into the closed system. The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 30 sec. contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) Without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms : 1 % Number and timing of application: Fequency: Periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: Periodic disinfection

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 **Use description**

PT4 Use # 6.6 - Surface disinfection in Veterinary water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .

Field(s) of use	indoor use outdoor use In veterinary industry: Disinfection of hard/non-porous surfaces in veterinary drinking water systems, with/without prior cleaning
Application method(s)	Method: Surface disinfection in veterinary water systems Detailed description: Disinfection by dosing the recommended dilution into the closed system.
Application rate(s) and frequency	Application Rate: . WITH prior cleaning, at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 1 % Without prior cleaning, at +20 °C in 60 min contact time Active against P.aeruginosa- & S.aureus-biofilms: 1 % Number and timing of application: Frequency: Periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: Periodic disinfection

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 6

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 6

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

Trade name(s)		DM Cid A			
		OVERK			
		BACTOGAL NET			
Authorisation number		EU-0027465-0006 1-6			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	25 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	5,5 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	4,5 % (w/w)

1 META SPC 7 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 7 identifier**

Identifier	Meta SPC: metaSPC 7

1.2 **Suffix to the authorisation number**

Number	1-7

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 7 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 7**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,2 - 4,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	23,33 - 27,22 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	7,75 - 8,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	1,95 - 2,25 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 7**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 7

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract.

Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 7.1 – Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels: Disinfection of hard/non-porous surfaces, without prior cleaning

Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device - Spraying: low pressure coarse spraying device - Pouring followed by wiping. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. Active against bacteria, fungi/yeasts and viruses at Room Temperature in 20 min contact time : 4 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols. Make sure to foam/spray/ brush/ pour and wipe sufficient liquid to keep the surface wet for at least 20 minutes.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT3 Use # 7.2 – Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping, dipping - professional

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In animal husbandry: Disinfection of hard/non-porous surfaces by brushing, foaming, spraying, pouring followed by wiping or dipping, with prior cleaning (use restricted to non-porous surfaces ONLY)
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping, dipping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device - Spraying: low pressure coarse spraying device- Pouring followed by wiping- Dipping: by immersion in a bucket. Rinse with water of drinking water quality after disinfection.

Application rate(s) and frequency	Application Rate: Maximum application rate foaming, spraying, brushing, pouring + wiping: 150 mL/m^2. Active against bacteria, fungi/yeasts and viruses in 30 min contact time : 4 % Number and timing of application: Frequency: To be used in between animal growth cycles
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Animal houses must be empty of animals during disinfection. The product is used to disinfect animal housings of pigs, cows, poultry and also tanks and equipment. Protect waterers or feeders during disinfection. Clean the surfaces thoroughly with a detergent before disinfection. Rinse with clean water and remove surplus water.

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates and frequency section.

— spraying and foaming:

container is opened manually and emptied into the reservoir or connected to a pump, which pumps the product into the reservoir of the spraying or foaming device which is then filled up with water in order to achieve the required concentration of use.

— dipping:

containers are opened manually and are emptied into the dipping/immersion baths or connected to a pump, which pumps the product into the dipping/immersion bath to achieve the required concentration of use.

— brushing and pouring followed by wiping:

add the appropriate amount of the concentrated product manually (or via a connected pump) to water to achieve the required concentration.

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

— By spraying, apply the product with a back pulverisator or an automatic sprayer in order to cover the surfaces. Application rate is 150 mL/m^2. Spraying is done at low pressure avoiding the formation of aerosols. Make sure to spray sufficient liquid to keep the surface wet for at least 30 minutes.

— By foaming, apply the product with a foaming device in order to cover the surfaces. Application rate is 150 mL/m^2. Foaming is done at low pressure avoiding the formation of aerosols. Make sure to spray sufficient liquid to keep the surface wet for at least 30 minutes.

— By dipping, equipment is dipped/immersed into the bath and is removed after 30 minutes.

— By brushing and pouring followed by wiping: apply the product by pouring sufficient quantity in order to cover the surfaces. Application rate is 150 mL/m^2. Make sure to pour sufficient liquid to keep the surface wet for at least 30 minutes.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Use only on non-porous surfaces.

Rinse the surfaces after use with water of drinking water quality.

Post-application: Re-entry of animals can be done 24h after the end of the application.

Do not use equipment on animals until it is rinsed and completely dried.

Empty containers are disposed of.

Frequency: To be used in between animal growth cycles.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use #7.3 - Disinfection of hard non-porous surfaces and equipment by foaming, spraying, dipping - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (including kitchens, canteens and restaurants) : Disinfection of hard non-porous surfaces by foaming, spraying, dipping, without prior cleaning
Application method(s)	Method: Surface disinfection by foaming, spraying, dipping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Foaming: low pressure foaming device - Spraying: low pressure coarse spraying device- Dipping: by immersion in a bucket. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate foaming, spraying: 250 mL/m^2. Active against bacteria, fungi/yeasts and viruses at Room Temperature in 20 min contact time: 4 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m^2. Make sure to spray/foam sufficient liquid to keep the surface wet during 20 minutes. Make sure to leave the equipment in the dipping bath during 20 minutes.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Post-application: Rinse the treated surfaces with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 7

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping: According to the Applicant, the soaking/dipping solution is prepared ad hoc (never in advance) for a single-time use. The bath solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping solution should be prepared ad hoc (never in advance) and used only once'.

Surface disinfection procedures by spraying, foaming, brushing or pouring followed by wiping : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing & loading, application (brushing/pouring and wiping, dipping) and post application step:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During application by foaming and by coarse spraying:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Respiratory protective equipment (RPE) providing a protection factor of 40 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH3/TM3), or a full-face mask (EN 136 or equivalent) with particle filter (EN143 filters or equivalent), type P3.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Apply the product with a lance to increase the distance between the user and the source of emission.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room.

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

In order to reduce inhalatory exposure product may only be applied by coarse spraying. Please refer to device supplier for technical details.

Ensure that the application by foaming and by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information.

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 18 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

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

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

Trade name(s)	DM Cid S
	Ehlert 101 ACR
	PRIMEFOAM CL+
	SP 100-S
	Unischaum
	Viroclean
	Cleamen 631
	MiQro Foam Duo
	Lac clean S
	ALKACID S
	Alcacid Foam
	DM Chlor S
	DM Chlor Foam
Authorisation number	EU-0027465-0007 1-7

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,2 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	23,33 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	8,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,25 % (w/w)

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

Trade name(s)	Eco Chlor S
	BacForce EL 900 Active
	Topax 950
	Sator Active
Authorisation number	EU-0027465-0008 1-7

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	27,22 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	7,75 % (w/w)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	1,95 % (w/w)

1 META SPC 8 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 8 identifier**

Identifier	Meta SPC: metaSPC 8

1.2 **Suffix to the authorisation number**

Number	1-8

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 8 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 8**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,2 - 4,9 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	23,33 - 27,22 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	3,25 - 8,5 % (w/w)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,1 - 2,25 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	0 - 4 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 8**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 8

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 8.1 – Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels: Disinfection of hard/non-porous surfaces, without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device- Spraying: low pressure coarse spraying device- Pouring followed by wiping. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. Active against bacteria, fungi/yeasts and viruses at Room Temperature in 20 min contact time : 4 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols. Make sure to foam/spray/ brush/pour and wipe sufficient liquid to keep the surface wet for at least 20 minutes.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT3 Use # 8.2 – Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping, dipping - professional

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In animal husbandry: Disinfection of hard/non-porous surfaces by brushing, foaming, spraying, pouring followed by wiping or dipping, with prior cleaning (use restricted to non-porous surfaces ONLY)
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping, dipping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device - Spraying: low pressure coarse spraying device- Pouring followed by wiping- Dipping: by immersion in a bucket. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate foaming, spraying, brushing, pouring + wiping: 150 mL/m^2. Active against bacteria, fungi/yeasts and viruses In 30 min contact time : 4 % Number and timing of application: Frequency: To be used in between animal growth cycles
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Animal houses must be empty of animals during disinfection. The product is used to disinfect animal housings of pigs, cows, poultry and also tanks and equipment. Protect waterers or feeders during disinfection. Clean the surfaces thoroughly with a detergent before disinfection. Rinse with clean water and remove surplus water.

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

— spraying and foaming:

container is opened manually and emptied into the reservoir or connected to a pump, which pumps the product into the reservoir of the spraying or foaming device which is then filled up with water in order to achieve the required concentration of use.

— dipping:

containers are opened manually and are emptied into the dipping/immersion baths or connected to a pump, which pumps the product into the dipping/immersion bath to achieve the required concentration of use.

— brushing and pouring followed by wiping:

add the appropriate amount of the concentrated product manually (or via a connected pump) to water to achieve the required concentration.

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

— By spraying, apply the product with a back pulverisator or an automatic sprayer in order to cover the surfaces. Application rate is 150 mL/m^2. Spraying is done at low pressure avoiding the formation of aerosols. Make sure to spray sufficient liquid to keep the surface wet for at least 30 minutes.

— By foaming, apply the product with a foaming device in order to cover the surfaces. Application rate is 150 mL/m^2. Foaming is done at low pressure avoiding the formation of aerosols. Make sure to spray sufficient liquid to keep the surface wet for at least 30 minutes.

— By dipping, equipment is dipped/immersed into the bath and is removed after 30 minutes.

— By brushing and pouring followed by wiping: apply the product by pouring sufficient quantity in order to cover the surfaces. Application rate is 150 mL/m^2. Make sure to pour sufficient liquid to keep the surface wet for at least 30 minutes.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Use only on non-porous surfaces.

Post-application: Re-entry of animals can be done 24h after the end of the application.

Do not use equipment on animals until it is rinsed and completely dried.

Empty containers are disposed of.

Frequency: To be used in between animal growth cycles.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use #8.3 – Disinfection of hard non-porous surfaces and equipment by foaming, spraying, dipping - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (including kitchens, canteens and restaurants) : Disinfection of hard non-porous surfaces by foaming, spraying, dipping, without prior cleaning
Application method(s)	Method: Surface disinfection by foaming, spraying, dipping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Foaming: low pressure foaming device - Spraying: low pressure coarse spraying device- Dipping: by immersion in a bucket. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate foaming, spraying: 250 mL/m^2. Active against bacteria, fungi/yeasts and viruses at Room Temperature in 20 min contact time : 4 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 4 %. (Dose 40 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m^2. Make sure to spray/foam sufficient liquid to keep the surface wet during 20 minutes. Make sure to leave the equipment in the dipping bath during 20 minutes.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Post-application: Rinse the treated surfaces with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 8

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping: According to the Applicant, the soaking/dipping solution is prepared ad hoc (never in advance) for a single-time use. The bath solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping solution should be prepared ad hoc (never in advance) and used only once'.

Surface disinfection procedures by spraying, foaming, brushing or pouring followed by wiping : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing and loading, application (brushing/pouring and wiping, dipping) and post application step:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During application by foaming and by coarse spraying:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Respiratory protective equipment (RPE) providing a protection factor of 40 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH3/TM3), or a full-face mask (EN 136 or equivalent) with particle filter (EN143 filters or equivalent), type P3.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Apply the product with a lance to increase the distance between the user and the source of emission.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room.

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

In order to reduce inhalatory exposure product may only be applied by coarse spraying. Please refer to device supplier for technical details

Ensure that the application by foaming and by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information.

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 18 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 8

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

Trade name(s)		DM Cid S Extra			
Authorisation number		EU-0027465-0009 1-8			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	25 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	8,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,25 % (w/w)

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

Trade name(s)		DM Cid SL			
		Cleamen 631 CAI			
Authorisation number		EU-0027465-0010 1-8			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			4,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	25 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	3,25 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,1 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	4 % (w/w)

1 META SPC 9 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 9 identifier**

Identifier	Meta SPC: metaSPC 9

1.2 **Suffix to the authorisation number**

Number	1-9

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 9 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 9**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			10 - 10 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	55,56 - 55,56 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	1,25 - 1,75 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	0 - 0,3 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 9**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 9

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH031: Contact with acids liberates toxic gas. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 9.1 - Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels: Disinfection of hard/non-porous surfaces, with or without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device- Spraying: low pressure coarse spraying device- Pouring followed by wiping. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. 1) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 1 % # at Room Temperature in 15 min contact time : Active against bacteria, fungi/yeasts and viruses : 1 % # at +50 °C in 1 min contact time : Active against bacteria, yeasts, virus : 1 % Application Rate: Maximum application rate: 250 mL/m^2.

	2) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Prepare the required dilution at the required application temperature.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Make sure to foam/spray/ brush/pour and wipe sufficient liquid to keep the surface wet for the required contact time at the required temperature.

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT2 Use # 9.2 - CIP procedures with or without circulation in industries - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with or without circulation, with or without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 0,25 % # at Room Temperature in 15 min contact time : Active against bacteria and fungi/yeasts : 0,25 % Active against bacteria, fungi/yeasts and viruses : 0,4 % # at +50 °C in 1 min contact time : Active against bacteria and /yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % Application Rate: .

	2) CIP procedures (with circulation) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Application Rate: . 3) CIP procedures (without circulation) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 1 % # at Room Temperature in 15 min contact time : Active against bacteria, fungi/yeasts and viruses : 1 % # at +50 °C in 1 min contact time : Active against bacteria, yeasts, virus : 1 % Application Rate: . 4) CIP procedures (without circulation) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production as intermediate cleaning and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

— Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

— Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use # 9.3 - Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping, dipping

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (including kitchens, canteens and restaurants) : Disinfection of hard non-porous surfaces by brushing, foaming, spraying, pouring followed by wiping or dipping, with or without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping, dipping Detailed description: Concentrated disinfectants for hard non-porous surfaces, equipment in food industry by :- Spraying: low pressure coarse spraying device, - Foaming: low pressure foaming device, - Dipping : immersion of material in a bath- brushing-pouring followed by wiping. After contact time, the surfaces are rinsed with water of drinking water quality.

Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. 1) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 1 % # at Room Temperature in 15 min contact time : Active against bacteria, fungi/yeasts and viruses : 1 % # at +50 °C in 1 min contact time : Active against bacteria, yeasts, virus : 1 % Application Rate: Maximum application rate: 250 mL/m^2. 2) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Prepare the required dilution at the required application temperature.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Make sure to foam/spray/ brush/pour and wipe/prepare for dipping sufficient liquid to keep the surface wet for the required contact time at the required temperature.

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 **Use description**

PT4 Use # 9.4 - CIP procedures with or without circulation in food industry - professionals

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking), with or without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking). Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.

Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 0,25 % # at Room Temperature in 15 min contact time : Active against bacteria and fungi/yeasts : 0,25 % Active against bacteria, fungi/yeasts and viruses : 0,4 % # at +50 °C in 1 min contact time : Active against bacteria and /yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % Application Rate: . 2) CIP procedures (with circulation) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Application Rate: . 3) CIP procedures (without circulation) On hard/non-porous surfaces with prior cleaning : # at Room Temperature in 5 min contact time : Active against bacteria and fungi/yeasts : 1 % # at Room Temperature in 15 min contact time : Active against bacteria, fungi/yeasts and viruses : 1 % # at +50 °C in 1 min contact time : Active against bacteria, yeasts, virus : 1 % Application Rate: . 4) CIP procedures (without circulation) On hard/non-porous surfaces without prior cleaning : # at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Number and timing of application: Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

In clean conditions: Prior to disinfection, clean the surfaces

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 Use # 9.5 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.

Application rate(s) and frequency	Application Rate: . • at +50 °C in 5 min contact time : Active against bacteria & yeasts : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 **Use description**

PT4 Use # 9.6 - Surface disinfection in Ware Washers - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (in commercial ware washers including crate washers, dishwashing machines, glass washing machines, cutlery, disinfection of trays of eggs…): Disinfection of hard/non-porous surfaces in ware washers, with or without prior cleaning
Application method(s)	Method: Surface disinfection in ware washers Detailed description: Disinfection by dosing the recommended dilution into the closed system of the ware washers.
Application rate(s) and frequency	Application Rate: . On hard/non-porous surfaces with prior cleaning : • at +50 °C in 1 min contact time : Active against bacteria, yeasts and viruses : 1 % On hard/non-porous surfaces without prior cleaning : • at +50 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 1 % Number and timing of application: Frequency: continuously
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Product is added into the system by dosing the recommended dilution (closed system).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: Empty containers are disposed of.

Frequency: continuously

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 9

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

Surface disinfection procedures by spraying, foaming, brushing or pouring followed by wiping : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing and loading, application (brushing/pouring and wiping, dipping), post application step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

During application by foaming and by coarse spraying:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Respiratory protective equipment (RPE) providing a protection factor of 40 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH3/TM3), or a full-face mask (EN 136 or equivalent) with particle filter (EN143 filters or equivalent), type P3.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Apply the product with a lance to increase the distance between the user and the source of emission.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

In order to reduce inhalatory exposure product may only be applied by coarse spraying. Please refer to device supplier for technical details.

Ensure that the application by foaming and by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information.

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 6 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 9

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

Trade name(s)		Kenochlor 100 CIP			
Authorisation number		EU-0027465-0011 1-9			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			10 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	55,56 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	1,25 % (w/w)

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

Trade name(s)		Kenochlor S			
Authorisation number		EU-0027465-0012 1-9			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			10 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	55,56 % (w/w)

Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	1,75 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	0,3 % (w/w)

1 META SPC 10 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 10 identifier**

Identifier	Meta SPC: metaSPC 10

1.2 **Suffix to the authorisation number**

Number	1-10

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 10 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 10**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			6,25 - 6,25 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	34,72 - 34,72 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	10,5 - 10,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,55 - 2,55 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 10**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 10

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH031: Contact with acids liberates toxic gas. EUH071: Corrosive to the respiratory tract.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 10.1 - Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In Households, industry, institutions (such as offices or prison), public areas and hotels: Disinfection of hard/non-porous surfaces, without prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device- Spraying: low pressure coarse spraying device - Pouring followed by wiping. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. at Room Temperature in 15 min contact time : Active against bacteria, Fungi/yeasts and viruses : 2 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 2 %. (Dose 20 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m². Foaming and spraying are done at low pressure avoiding the formation of aerosols. Make sure to foam/spray/ brush/pour and wipe sufficient liquid to keep the surface wet for at least 15 minutes.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 10.2 - Disinfection of hard non-porous surfaces and equipment by foaming, spraying, dipping - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .

Field(s) of use	indoor use In food industry (including kitchens, canteens and restaurants) : Disinfection of hard non-porous surfaces by foaming, spraying or dipping, without prior cleaning
Application method(s)	Method: Surface disinfection by foaming, spraying, dipping Detailed description: Concentrated disinfectants for hard non-porous surfaces, equipment in food industry by -spraying: low pressure coarse spraying device, -foaming: low pressure foaming device, -dipping : immersion of material in a bath. After contact time, the surfaces are rinsed with water of drinking water quality.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. at Room Temperature in 15 min contact time : Active against bacteria, Fungi/yeasts and viruses : 2 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

Bacteria, yeasts, fungi, virus: Dilute the product at 2 %. (Dose 20 ml product to prepare a 1 L solution)

Application:

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols. Make sure to foam/spray/prepare for dipping sufficient liquid to keep the surface wet for at least 15 minutes.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 10

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

Surface disinfection procedures by spraying, foaming, brushing or pouring followed by wiping : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing and loading, application (brushing/pouring and wiping, dipping) and post application step:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During application by foaming and by coarse spraying:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent.

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Respiratory protective equipment (RPE) providing a protection factor of 40 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH3/TM3), or a full-face mask (EN 136 or equivalent) with particle filter (EN143 filters or equivalent), type P3.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Apply the product with a lance to increase the distance between the user and the source of emission.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room.

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

In order to reduce inhalatory exposure product may only be applied by coarse spraying Please refer to device supplier for technical details.

Ensure that the application by foaming and by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information.

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 12 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 10

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

Trade name(s)		DM Cid S Forte			
Authorisation number		EU-0027465-0013 1-10			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			6,25 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	34,72 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	10,5 % (w/w)
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	Non-active substance	308062-28-4	931-292-6	2,55 % (w/w)

1 META SPC 11 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 11 identifier**

Identifier	Meta SPC: metaSPC 11

1.2 **Suffix to the authorisation number**

Number	1-11

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 11 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 11**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			8 - 8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	44,44 - 44,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	12,5 - 12,5 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 11**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 11

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH031: Contact with acids liberates toxic gas.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 11.1 - CIP procedures with circulation in industries - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry : Disinfection of inner hard/non-porous surfaces by CIP with circulation, without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . Without prior cleaning : # at +20 °C in 5 min contact time : Active against bacteria & yeasts : 2 % # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms : 1,5 % # at +50 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 0,5 % Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Inner surfaces are disinfected by CIP (Cleaning in place).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 11.2 - CIP procedures with circulation in food industry - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with circulation, without prior cleaning

Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . Without prior cleaning : # at +20 °C in 5 min contact time : Active against bacteria & yeasts : 2 % # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms : 1,5 % # at +50 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 0,5 % Number and timing of application: Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Inner surfaces are disinfected by CIP (Cleaning in place).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production cycles as intermediate cleaning and/or, part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use # 11.3 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . At +55 °C in 8 min contact time : Active against bacteria & yeasts : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 11

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 11

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

Trade name(s)		Eco Chlor Forte			
Authorisation number		EU-0027465-0014 1-11			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	44,44 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	12,5 % (w/w)

1 META SPC 12 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 12 identifier**

Identifier	Meta SPC: meta SPC 12

1.2 **Suffix to the authorisation number**

Number	1-12

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 12 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 12**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			10 - 12,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	55,56 - 69,44 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 12**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 12

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects. EUH031: Contact with acids liberates toxic gas. EUH071: Corrosive to the respiratory tract.

Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/ face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 12.1 - Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping – CIP procedures without circulation - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry : Disinfection of hard/non-porous surfaces by brushing, foaming, spraying, pouring followed by wiping or CIP without circulation (for inner surfaces), with prior cleaning

Application method(s)	Method: surface disinfection by brushing, foaming, spraying, pouring followed by wiping - CIP procedures without circulation - professional Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device- Spraying: low pressure coarse spraying device - Pouring followed by wiping- CIP without circulation. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. at Room Temperature in 30 min contact time : — Active against bacteria & Fungi/yeasts : 0,25 % — Active against bacteria, Fungi/yeasts and viruses : 0,45 % Number and timing of application: Frequency: To be used in between production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Prepare the required dilution at the required application temperature.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Make sure to foam/spray/ brush/pour and wipe sufficient liquid to keep the surface wet for the required contact time at the required temperature.

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between production and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

Do not (use/apply) directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock.

Do not apply directly to surfaces on which food or feed is stored, prepared or eaten.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT2 Use # 12.2 - CIP procedures (with circulation) in industries - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with circulation, with prior cleaning.

Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . at Room Temperature in 30 min contact time : — Active against bacteria & Fungi/yeasts : 0,1 % — Active against bacteria, Fungi/yeasts and viruses : 0,4 % Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use # 12.3 Disinfection of hard non-porous surfaces and equipment by brushing, foaming, spraying, pouring followed by wiping, dipping – CIP procedures without circulation - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (including kitchens, canteens and restaurants) : Disinfection of hard/non-porous surfaces by brushing, foaming, spraying, pouring followed by wiping, dipping or CIP without circulation (for inner surfaces), with prior cleaning
Application method(s)	Method: Surface disinfection by brushing, foaming, spraying, pouring followed by wiping, dipping CIP procedures without circulation Detailed description: Concentrated product, to be diluted. For disinfection procedure by :- Brushing, - Foaming: low pressure foaming device or trigger foam- Spraying: low pressure coarse spraying device or trigger spray- Pouring followed by wiping- Dipping: immersion of material in a bath- CIP without circulation. Rinse with water of drinking water quality after disinfection.
Application rate(s) and frequency	Application Rate: Maximum application rate: 250 mL/m^2. at Room Temperature in 30 min contact time : — Active against bacteria & Fungi/yeasts : 0,25 % — Active against bacteria, Fungi/yeasts and viruses : 0,45 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Prepare the required dilution at the required application temperature.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Make sure to foam/spray/ brush/pour and wipe/prepare for dip sufficient liquid to keep the surface wet for the required contact time at the required temperature.

Application rate is 250 mL/m^2. Foaming and spraying are done at low pressure avoiding the formation of aerosols.

Brushing: a brush with a handle has to be used to apply the diluted solution.

Pour the diluted solution directly on the surface and brush.

The application rate is a worst-case value. Apply the minimum quantity of product in order to cover the entire surface and in order for the surface to remain wet until the end of contact time.

CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Rinse the surfaces after use with water of drinking water quality.

Post-application: empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

Do not immerse hands in the solution.

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

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 **Use description**

PT4 Use # 12.4 - CIP procedures (with circulation) in food industries - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: fungi Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with circulation, with prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . at Room Temperature in 30 min contact time : — Active against bacteria & Fungi/yeasts : 0,1 % — Active against bacteria, Fungi/yeasts and viruses : 0,4 % Number and timing of application: Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production cycles as intermediate cleaning and/or, part of daily cleaning.

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 Use # 12.5 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . At +40 °C in 30 min contact time : Active against bacteria & yeasts : 0,25 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 **Use description**

PT5 Use # 12.6 - Animal drinking water – continuous dosing - professional

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: .
Field(s) of use	indoor use outdoor use Disinfection of animal drinking water
Application method(s)	Method: By continuous dosing Detailed description: Concentrated disinfectants for disinfection of animal drinking water by continuous dosing. Disinfection by adding the product continuously into the system by dosing the recommended dilution (closed systems).
Application rate(s) and frequency	Application Rate: . Active against bacteria (via continuous dosing): 0,0005 % in clean water in 25 min contact time Number and timing of application: Frequency: to be used during animal cycle
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Prior to disinfection, clean thoroughly the system.

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

The product should be diluted at 0,0005 % when using clean water.

Application:

Disinfection by dosing the recommended dilution into the closed system.

Respect the required application temperature and contact time.

Post-application: Empty containers are disposed of.

Frequency: To be used during animal cycle.

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 12

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

Disinfection procedures by spraying, foaming, brushing or pouring followed by wiping : The surfaces to be disinfected must be wet enough in order to keep them wet during the preconised contact time for optimal disinfection.

The following precautionary sentence will be added on the product label : 'Make sure to wet surfaces completely'.

5.2 **Risk mitigation measures**

During mixing and loading, application (brushing/pouring and wiping, dipping), post application step and maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

During application by foaming and by coarse spraying:

Wear protective chemical resistant gloves during product handling phase in line with EN 374 or equivalent (glove material to be specified by the authorisation holder within the product information).

A protective coverall, with hood (at least type 4, EN 14605 or equivalent) shall be worn.

Wearing oversleeves for wrists and ankles is mandatory.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Using a face shield/face mask is mandatory.

Apply the product with a lance to increase the distance between the user and the source of emission.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

The same PPEs/RPE have to be worn during the rinsing of the room.

Necessary specifications for safe and adequate use of PPE during the application of corrosive product have to be specified by the authorisation holder.

Training must be ensured for the users to ensure appropriate handling of the product and the PPE required.

To limit exposure during the removal of PPEs, PPEs have to be cleaned after each use and before removal.

Ensure that the application by foaming and by coarse spraying is carried out with an adequate ventilation. The ventilation needs to be specified by the Authorisation holder within the product information

Wash hands after use.

Apply in the absence of humans and animals and out of their reach.

No access of the general public during treatment and until surfaces are dried.

Keep away from pets/keep out of reach of pets.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container.

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 12

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

Trade name(s)	Kenochlor
	SynQ Yellow Des
	Kenochlor 100
	Abru Chloro Des
	Bühning 3 phasereininger aktivchlor
	Chlorax
Authorisation number	EU-0027465-0015 1-12

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			12,5 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	69,44 % (w/w)

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

Trade name(s)		Kenochlor aqua			
Authorisation number		EU-0027465-0016 1-12			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			10 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	55,56 % (w/w)

1 META SPC 13 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 13 identifier**

Identifier	Meta SPC: metaSPC 13

1.2 **Suffix to the authorisation number**

Number	1-13

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 13 COMPOSITION

2.1 Qualitative and quantitative information on the composition of the meta SPC 13

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,4 - 3,4 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	18,89 - 18,89 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	12 - 12 % (w/w)

2.2 Type(s) of formulation of the meta SPC 13

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 13

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 Use # 13.1 – CIP procedures with circulation in industries - professional

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with circulation, without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . at +60 °C in 15 min contact time : — Active against bacteria & yeasts : 0,25 % — Active against bacteria, yeasts and viruses : 1,2 % Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Inner surfaces are disinfected by CIP (Cleaning in place).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 13.2 – CIP procedures with circulation in food industry - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with circulation, without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . at +60 °C in 15 min contact time : — Active against bacteria & yeasts : 0,25 % — Active against bacteria, yeasts and viruses : 1,2 % Number and timing of application: Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Inner surfaces are disinfected by CIP (Cleaning in place).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production cycles as intermediate cleaning and/or, part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 Use # 13.3 – CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation, without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.

Application rate(s) and frequency	Application Rate: . — at +40 °C in 15 min contact time : Active against bacteria & yeasts : 1 % — at +60 °C in 15 min contact time : Active against bacteria & yeasts : 0,75 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 13

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 9 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 13

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

Trade name(s)		DM CID Celt			
Authorisation number		EU-0027465-0017 1-13			
Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,4 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	18,89 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	12 % (w/w)

1 META SPC 14 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 14 identifier**

Identifier	Meta SPC: metaSPC 14

1.2 **Suffix to the authorisation number**

Number	1-14

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 14 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 14**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 - 3,8 % (w/w)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 - 21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	11,25 - 11,25 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	13,5 - 13,5 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 14**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 14

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor. P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT4 Use # 14.1 – CIP procedures with or without circulation in food industry

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking), with or without prior cleaning
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking). Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria & yeasts : 0,75 % Application Rate: . 2) CIP procedures (with circulation) without prior cleaning : # at +40 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 1 % Application Rate: . 3) CIP procedures (without circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 2 min contact time : Active against bacteria & yeasts : 1,5 % Application Rate: . 4) Activity against P.aeruginosa- & S.aureus-biofilms: at 1,5 % at +20 °C in 60 min contact time in dirty conditions Number and timing of application: Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning

Category(ies) of users	professional
Pack sizes and packaging material	Bottle: 1 L, 1 Kg Drum: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg Container: 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 14

5.1 Instructions for use

See use-specific instructions for each use. Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

5.2 Risk mitigation measures

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 12 months. After opening the cans, products are stable during 6 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 14

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

Trade name(s)	DM Chlor Beurre
	Synq Butter
	DM Cid B
Authorisation number	EU-0027465-0018 1-14

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	11,25 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	13,5 % (w/w)

1 META SPC 15 ADMINISTRATIVE INFORMATION

1.1 **Meta SPC 15 identifier**

Identifier	Meta SPC: metaSPC 15

1.2 **Suffix to the authorisation number**

Number	1-15

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 PT03: Veterinary hygiene PT05: Drinking water

2 META SPC 15 COMPOSITION

2.1 **Qualitative and quantitative information on the composition of the meta SPC 15**

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 - 3,8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 - 21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	13,75 - 13,75 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	4,5 - 4,5 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	2,5 - 2,5 % (w/w)

2.2 **Type(s) of formulation of the meta SPC 15**

Formulation type(s)	SL Soluble concentrate

3 HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 15

Hazard statements	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe spray. P260: Do not breathe mist. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor.

	P501: Dispose of contents hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of container hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P391: Collect spillage.

4 AUTHORISED USE(S) OF THE META SPC

4.1 **Use description**

PT2 - Use # 15.1 - CIP procedures with or without circulation in industries - professionals

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In industry: Disinfection of inner hard/non-porous surfaces by CIP with or without circulation, with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation. Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: .

	3) CIP procedures (without circulation) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Activity against P.aeruginosa- & S.aureus-biofilms: at 3 % at +20 °C in 60 min contact time without prior cleaning Number and timing of application: Frequency: To be used in between production cycles as intermediate cleaning and/or, part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.1.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between production cycles as intermediate cleaning and/or part of daily cleaning.

4.1.2 *Use-specific risk mitigation measures*

See general directions for use.

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 **Use description**

PT4 Use # 15.2 - CIP procedures with or without circulation in food industry - professionals

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food/feed industry : Disinfection of inner hard/non-porous surfaces by CIP with or without circulation (including soaking), with or without prior cleaning.
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with or without circulation (including soaking). Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) CIP procedures (with circulation) WITH prior cleaning: # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 2) CIP procedures (with circulation) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % Application Rate: .

	3) CIP procedures (without circulation) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 1 % Active against bacteria, yeasts and viruses : 1,2 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: . 4) Activity against P.aeruginosa- & S.aureus-biofilms: at 3 % at +20 °C in 60 min contact time without prior cleaning Number and timing of application: Frequency: To be used in between food production cycles as intermediate cleaning and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	**-Bottle**: 1 L, 1 Kg **-Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg **-Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.2.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Application in CIP with circulation: Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Application in CIP without circulation: Add the product and water into the system to obtain the required concentration of use. Use enough working solution to cover all surfaces. Inner surfaces should remain wet during the required contact time at the required temperature.

Post-application: The pipeline or tank is rinsed with water of drinking water quality under closed system. Empty containers are disposed of.

Frequency: To be used in between food production as intermediate cleaning and/or part of daily cleaning.

4.2.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 **Use description**

PT4 - Use # 15.3 - CIP procedures in milking parlors - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: .
Field(s) of use	indoor use In milking parlours : Disinfection of inner hard/non-porous surfaces by CIP with circulation
Application method(s)	Method: CIP procedures Detailed description: Concentrated product, to be diluted. For disinfection procedure by CIP with circulation Product is added into the system by dosing the recommended dilution (closed system). The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . — at +55 °C in 15 min contact time : Active against bacteria & yeasts : 0,75 % — at +60 °C in 8 min contact time : Active against bacteria & yeasts : 0,5 % Number and timing of application: Frequency: To be used in between food production and/or part of daily cleaning
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.3.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is applied by CIP (automated application).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: To be used in between food production and/or part of daily cleaning.

4.3.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 **Use description**

PT4 Use # 15.4 - Surface disinfection in Ware Washers - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant

Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry (in commercial ware washers including crate washers, dishwashing machines, glass washing machines, cutlery, disinfection of trays of eggs…): Disinfection of hard/non-porous surfaces in ware washers, with prior cleaning
Application method(s)	Method: Surface disinfection in ware washers Detailed description: Disinfection by dosing the recommended dilution into the closed system of the ware washers.
Application rate(s) and frequency	Application Rate: . at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Number and timing of application: Frequency: continuously
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.4.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

Product is added into the system by dosing the recommended dilution (closed system).

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: Empty containers are disposed of.

Frequency: continuously

4.4.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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*

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 **Use description**

PT4 Use # 15.5 - Surface disinfection in Drinking water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use In food industry : Disinfection of hard/non-porous surfaces in drinking water distribution systems, with or without prior cleaning
Application method(s)	Method: Surface disinfection in drinking water systems Detailed description: Disinfection by dosing the recommended dilution into the closed system. The pipeline or tank is rinsed with water of drinking water quality under closed system after contact time.
Application rate(s) and frequency	Application Rate: . 1) WITH prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria & yeasts : 0,5 % Active against bacteria, yeasts and viruses : 1 % # at +55 °C in 2 min contact time : Active against bacteria, yeasts and viruses : 2 % Application Rate: .

	2) without prior cleaning : # at +20 °C in 15 min contact time : Active against bacteria, yeasts and viruses : 2,5 % # at +20 °C in 60 min contact time : Active against P.aeruginosa- & S.aureus-biofilms : 3 % Number and timing of application: Frequency: periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.5.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: periodic disinfection

4.5.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 **Use description**

PT4 Use # 15.6 - Surface disinfection in Veterinary water systems - professional

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: . Scientific name: no data Common name: Yeasts Development stage: . Scientific name: no data Common name: Viruses Development stage: .
Field(s) of use	indoor use outdoor use In veterinary industry : Disinfection of hard/non-porous surfaces in veterinary drinking water systems
Application method(s)	Method: Surface disinfection in veterinary water systems Detailed description: Disinfection by dosing the recommended dilution into the closed system. After contact time, the system is rinsed with water of drinking water quality.
Application rate(s) and frequency	Application Rate: . — WITH prior cleaning, at +20 °C in 15 min contact time : — — Active against bacteria & yeasts : 1 % — — Active against bacteria, yeasts and viruses : 1,2 % — without prior cleaning, at +20 °C in 60 min contact time Active against P.aeruginosa- & S.aureus-biofilms: 3 % Number and timing of application: Frequency: periodic disinfection
Category(ies) of users	professional
Pack sizes and packaging material	— **Bottle**: 1 L, 1 Kg — **Drum**: 5 L, 10 L, 20 L, 25 L, 30 L, 60 L, 200 L, 220 L, 5 kg, 10 kg, 12 kg, 20 kg, 25 kg, 30 kg, 60 kg, 200 kg, 220 kg, 240 kg — **Container:** 600 L, 1 000 L, 1 100 L, 600 kg, 1 000 kg, 1 100 kg HDPE (High Density Polyethylene)

4.6.1 *Use-specific instructions for use*

Mixing and loading:

Manual mixing and loading: Container is opened manually and product is poured in the recipient containing the relevant volume of water to obtain the necessary dilution.

Semi-automated mixing and loading: Container is opened manually and hose is placed in the can. Then transfer the product by manual pumping or with a semi-automatic pump.

Fully automated mixing and loading: Container is opened or connected manually. Transfer of the product is automatically performed.

Dilution:

See application rates & frequency section.

Application:

In clean conditions: Prior to disinfection, clean the surfaces.

Disinfection by dosing the recommended dilution into the closed system.

Add the product and water into the system to obtain the required concentration of use. Circulate for the required contact time at the required temperature.

Post-application: After the contact time, the system is rinsed with water of drinking water quality. Empty containers are disposed of.

Frequency: periodic disinfection

4.6.2 *Use-specific risk mitigation measures*

See general directions for use.

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

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5 GENERAL DIRECTIONS FOR USE OF THE META SPC 15

5.1 **Instructions for use**

See use-specific instructions for each use

Do not mix with other chemicals.

The surfaces to be disinfected must be cleaned before the disinfection procedure if required.

For the relevant uses, the following precautionary sentence will be added on the product label : 'Thoroughly clean, rinse and remove excess water on the surfaces to be disinfected'.

Disinfection cycle :

— Products must be diluted in clean water before use.

— Dilution rate & contact time depends on the use considered. Please refer to the description of application method related to each use.

— Final rinsing (with water of drinking water quality) is required.

Surface disinfection procedures by soaking/dipping/CIP/closed systems : According to the Applicant, the soaking/dipping/CIP solution is prepared ad hoc (never in advance) for a single-time use. The bath/CIP solution is not intended to be re-used.

The following precautionary sentence will be added on the product label : 'The soaking/dipping bath/CIP solution should be prepared ad hoc (never in advance) and used only once'.

5.2 **Risk mitigation measures**

During mixing and loading step, maintenance and repair:

Wear protective chemical resistant gloves in line with EN 374 or equivalent during product handling phase (glove material to be specified by the authorisation holder within the product information).

The use of eye protection in line with EN 166 or equivalent during handling of the product is mandatory.

A protective coverall (at least type 3, EN 14605 or equivalent) shall be worn.

Wear suitable protective footwear (EN 13832 or equivalent) when applying the product.

Maintenance and repair, pressurized systems:

Use of respiratory protective equipment (RPE) in line with EN 136 or equivalent providing a protection factor of 10 is mandatory. At least a powered air purifying respirator with helmet/hood/mask (TH1/TM1), or a half/full mask with particle filter P2 is required.

The use of these protective equipment is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full references to this act and the European Standards.

Ensure adequate ventilation during the application.

After disinfection, treated surfaces should be thoroughly rinsed with water of drinking water quality.

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

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

If symptoms: Call 112/ambulance for medical assistance.

If no symptoms: Call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.

Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements. Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Do not store above 30 °C and store protected from sunlight. Keep in original container .

Store in dry, cool, well-ventilated area. Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations. Keep container closed when not in use. Minimize exposure to air and light.

The shelf-life of the product is 4.5 months. After opening the cans, products are stable during 4.5 months.

Sodium chlorate may be formed during storage. To avoid increasing formation of this degradation product, do not exceed the established shelf life of the biocidal product.

6 OTHER INFORMATION

In the eventuality of abstraction of drinking water from surface water/groundwater, the chlorate drinking water limit of 700 µg/L should be monitored.

'Professionals (including industrial users)' means trained professional if this is required by national legislation.

The full titles of the EN standards referenced in sections 'general risk mitigation measures' are :

EN ISO 374-1:2016 Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN 166:2001 Personal eye-protection – Specifications

EN 14605:2005+A1:2009 Protective clothing against liquid chemicals – performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4])

EN 13832-3:2018 Footwear protecting against chemicals – Part 3: Requirements for prolonged contact with chemicals

EN 136:1998 Respiratory protective devices – Full face masks – Requirements, testing, marking EN 136:1998/AC:2003

EN 143:2021 Respiratory protective devices – Particle filters – Requirements, testing, marking

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11)

7 THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 15

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

Trade name(s)	DM Cid DE 2
Authorisation number	EU-0027465-0019 1-15

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active substance			3,8 % (w/w)
Sodium hypochlorite (technical solution with minimum purity of 18 % w/w active chlorine)	Sodium hypochlorite	releaser	7681-52-9	231-668-3	21,11 % (w/w)
Potassium hydroxide	Potassium hydroxide	Non-active substance	1310-58-3	215-181-3	13,75 % (w/w)
Sodium hydroxide	Sodium hydroxide	Non-active substance	1310-73-2	215-185-5	4,5 % (w/w)
Silicic acid, sodium salt	Silicic acid, sodium salt	Non-active substance	1344-09-8	215-687-4	2,5 % (w/w)