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►B

COMMISSION IMPLEMENTING REGULATION (EU) 2025/831

of 5 May 2025

granting a Union authorisation for the biocidal product family 'AWPF Calcium Hypochlorite BPF' in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council

(Text with EEA relevance)

(OJ L 831, 6.5.2025, p. 1)

Amended by:

		Official Journal		
		No	page	date
►M1	Commission Implementing Regulation (EU) 2026/1331 of 4 June 2026	L 1331	1	16.6.2026

▼B

COMMISSION IMPLEMENTING REGULATION (EU) 2025/831

of 5 May 2025

granting a Union authorisation for the biocidal product family ‘AWPF Calcium Hypochlorite BPF’ in accordance with Regulation (EU) No 528/2012 of the European Parliament and of the Council

(Text with EEA relevance)

Article 1

A Union authorisation with authorisation number EU-0027464-0000 is granted to Innovative Water Care Europe SAS for the making available on the market and use of the biocidal product family ‘AWPF Calcium Hypochlorite BPF’ 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.

For the territory of Germany, adjustments to the terms and conditions apply for the uses 4 and 5 in meta-SPCs 1, 2 and 3 as laid down in the summary of product characteristics in Annex II.

The Union Authorisation is valid from 26 May 2025 to 30 April 2035.

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.

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ANNEX I

TERMS AND CONDITIONS (EU-0027465-0000)

The authorisation holder shall conduct a long-term storage stability test for a product in meta SPC 4 of ‘AWPF Calcium Hypochlorite BPF’ to confirm a shelf-life of 12 months at ambient temperature. The test shall be performed in the commercial packaging in which the products are to be made available on the market and address the relevant physical, chemical and technical properties of that product both prior to and after storage.

By 26 May 2027 the authorisation holder shall submit the results of the test to the Agency.

▼M1

ANNEX II

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT FAMILY

AWPF Calcium Hypochlorite BPF

Product type(s)

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

PT04: Food and feed area

PT05: Drinking water

Authorisation number: EU-0027464-0000

R4BP asset number: EU-0027464-0000

PART I.

FIRST INFORMATION LEVEL

1. ADMINISTRATIVE INFORMATION

1.1. **Family name**

Name	AWPF Calcium Hypochlorite BPF

1.2. **Product type(s)**

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

1.3. **Authorisation holder**

Name and address of the authorisation holder	Name	Innovative Water Care Europe SAS
	Address	9 Avenue Marie Curie 37700 La Ville Aux Dames FR
Authorisation number	EU-0027464-0000	
R4BP asset number	EU-0027464-0000	
Date of the authorisation	26/05/2025	
Expiry date of the authorisation	30/04/2035	

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

Name of manufacturer	Innovative Water Care Europe SAS
Address of manufacturer	9 Avenue Marie Curie 37700 La Ville Aux Dames France
Location of manufacturing sites	Innovative Water Care Europe SAS site 1 1200 old lower river road TN. 37310 Charleston, United States (the) Innovative Water Care Europe SAS site 2 216, K. J.S.Complex, Bhagya Nagar, Kurnool 518 004 Andhra Pradesh, India

▼**M1**

Name of manufacturer	Innovative Water Care Europe LLC
Address of manufacturer	2475 Pinnacle Dr DE 19803 Wilmington, United States (the)
Location of manufacturing sites	Innovative Water Care Europe LLC 2475 Pinnacle Dr. DE 19803 Wilmington, United States (the)

Name of manufacturer	Innovative Water Care SA Holding (Pty) Ltd
Address of manufacturer	NCP Factory Site, Hytor Street, Chloorkop Gauteng 1619 Chloorkop, Kempton Park, South Africa
Location of manufacturing sites	Innovative Water Care SA Holding (Pty) Ltd NCP Factory Site, Hytor Street, Chloorkop, Gauteng 1619 Kempton Park, South Africa

Name of manufacturer	RNM - Produtos Químicos, SA
Address of manufacturer	Avenidas das Searas nº132 Landim Vila Nova de Famalicão, Portugal
Location of manufacturing sites	RNM - Produtos Químicos, SA Avenidas das Searas nº132 Landim Vila Nova de Famalicão, Portugal

Name of manufacturer	MEZENTER MAQUILAS A TERCEROS SL
Address of manufacturer	Gran Bretanya 24, warehouse 3 08700 Igualada Barcelona, Spain
Location of manufacturing sites	MEZENTER MAQUILAS A TERCEROS SL Gran Bretanya 24, warehouse 3 08700 Igualada Barcelona, Spain

Name of manufacturer	Hiwassee Packaging
Address of manufacturer	124 Appalachian Drive Tn 37321 Dayton, United States (the)
Location of manufacturing sites	Hiwassee Packaging 124 Appalachian Drive Tn 37321 Dayton, United States (the)

Name of manufacturer	Sinopec Jianghan Salt & Chemical Complex
Address of manufacturer	No. 8, Hongqi Road Wangchang Town, Qianjiang city, Hubei Province, China
Location of manufacturing sites	Sinopec Jianghan Salt & Chemical Complex No. 8, Hongqi Road Wangchang Town Qianjiang city, Hubei Province, China

Name of manufacturer	Haixing Eno Chemical Co., Ltd
Address of manufacturer	Haixing Economic Development Area Haixing County 061200, Hebei Province, China
Location of manufacturing sites	Haixing Eno Chemical Co., Ltd. Haixing Economic Development Area, Haixing County 061200, Hebei Province, China

▼M1

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

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Innovative Water Care Europe SAS
Address of manufacturer	9 Avenue Marie Curie 37700 La Ville Aux Dames France
Location of manufacturing sites	Innovative Water Care Europe SAS site 1 1200 old lower river road TN. 37310 Charleston, United States (the) Innovative Water Care Europe SAS site 2 NCP Factory Site, Hytor Street, Chloorkop, Kempton 1619 Gauteng, South Africa Innovative Water Care Europe SAS site3 216, K.J. S.Complex, Bhagya Nagar, Kurnool 518 004 Andhra Pradesh, India

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Sinopec Jianghan Salt & Chemical Complex
Address of manufacturer	No. 8, Hongqi Road Wangchang Town, Qianjiang city, Hubei Province, China
Location of manufacturing sites	Sinopec Jianghan Salt & Chemical Complex No. 8, Hongqi Road Wangchang Town Qianjiang city, Hubei Province, China

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Haixing Eno Chemical Co., Ltd
Address of manufacturer	Haixing Economic Development Area Haixing County 061200, Hebei Province, China
Location of manufacturing sites	Haixing Eno Chemical Co., Ltd. Haixing Economic Development Area, Haixing County 061200, Hebei Province China

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 calcium hypochlorite		Active substance			40,3 - 65 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	62 - 100 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	0 - 11 % (w/w)

▼M1

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

Formulation type(s)	SG Water soluble granule ST Water soluble tablet

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 (Water soluble granules)

1.2. **Suffix to the authorisation number**

Number	1-1

1.3. **Product type(s)**

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

2. META SPC 1 COMPOSITION

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

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypo-chlorite		Active substance			65 - 65 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	100 - 100 % (w/w)

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

Formulation type(s)	SG Water soluble granule

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 1

Hazard statements	H272: May intensify fire; oxidiser. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life. EUH031: Contact with acids liberates toxic gas. EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine). EUH071: Corrosive to the respiratory tract.

▼M1

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. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing or other combustible materials. P260: Do not breathe dust. P260: Do not breathe fume. P260: Do not breathe gas. P260: Do not breathe mist. P260: Do not breathe vapours. P260: Do not breathe spray. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves. P280: Wear protective clothing. P280: Wear eye protection. P280: Wear 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 or a doctor. P363: Wash contaminated clothing before reuse. P370+P378: In case of fire: Use water spray to extinguish. P391: Collect spillage. P501: Dispose of contents local regulations.

4. AUTHORISED USE(S) OF THE META SPC

4.1. **Use description**

Table 1

use # 1-1 PT 2 – Disinfection of swimming pools and spas – professional user

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: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data

▼M1

Field(s) of use	indoor use outdoor use -
Application method(s)	Method: Direct addition of the product to the water surface, injection of a stock solution from a tank or from an automated feeder connected to the swimming pool or spa. Detailed description:
Application rate(s) and frequency	Application Rate: Maintenance: 1-3 mg/l of available chlorine in water (swimming pool), 2.5 to 4 mg/l of available chlorine in water (spas); Shock treatment : 10 mg/l of available chlorine in water - Number and timing of application: Maintenance of swimming pools: Apply the product as needed to maintain a concentration between 1 and 3 mg/l of available chlorine in water. Maintenance of spas: Apply the product as needed to maintain a concentration between 2.5 up to 4 mg/l of available chlorine in water. Shock treatment of swimming pools and spas: Apply the product as to reach a concentration of 10 mg/l of available chlorine in water (contact time: 10 minutes).
Category(ies) of users	professional
Pack sizes and packaging material	— High density polyethylene (HDPE) or polypropylene (PP) or Polyethylene (PE) bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

4.1.1. *Use-specific instructions for use*

-

4.1.2. *Use-specific risk mitigation measures*

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

— Treatment must be made in absence of bathers for shock treatment and until complete dissolution of the product for direct application for maintenance treatment.

— Do not allow entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine for swimming pools and 4 mg/l of available chlorine for spas or to national chlorine limit.

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 direction for use.

▼M1

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

See general direction 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 direction for use.

4.2. **Use description**

Table 2

use # 1-2 PT 2 – Disinfection of swimming pools and spas – non-professional user

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: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Direct addition of the product to the water surface, e.g. with a scoop or similar. Detailed description:
Application rate(s) and frequency	Application Rate: Shock treatment: 10 mg/l of available chlorine in water Number and timing of application: Apply the product as to reach a concentration of 10 mg/l of available chlorine in water (contact time: 10 minutes), pH 6,32-7,82.
Category(ies) of users	general public (non-professional)
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 10 kg)

▼M1

4.2.1. *Use-specific instructions for use*

— Read label before use.

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

4.2.2. *Use-specific risk mitigation measures*

— Use the dosing device, scoop or similar to transfer the product. This tool must be provided with the packaging and must not be in contact with the product (must not be stored inside the packaging). Decanting has to be avoided.

— Treatment must be made in absence of bathers.

— Do not allow entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine in water for swimming pools and 4 mg/l of available chlorine in water for spas or to national chlorine limit.

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

— Washing of hands after use.

— Washing of face/ eye after accidental exposure.

— Avoid contact with skin and eyes.

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*

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

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

See general direction 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*

— Keep out of reach of children.

4.3. **Use description**

Table 3

use # 1-3 PT 4 – Disinfection of equipment, containers, pipework associated with drinking water for human consumption by filling/CIP with circulation – professional user

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Disinfection of interior surfaces of drinking water systems such as equipment, containers, pipework by filling/CIP with circulation.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data
Field(s) of use	indoor use

▼M1

Application method(s)	Method: Filling of piping with stock solution. Detailed description:
Application rate(s) and frequency	Application Rate: 100 mg/l of available chlorine in water Number and timing of application: Dissolve 130 g of product into water per cubic meter of the piping to be chlorinated to reach 100 mg/l active chlorine in water. Contact time: 12 hours
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg) — Low-density polyethylene (LDPE) bag (100 – 200 kg)

4.3.1. *Use-specific instructions for use*

— Clean carefully the surfaces before application of the product.

4.3.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

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 direction for use.

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

See general direction 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 direction for use.

4.4. **Use description**

Table 4

use # 1-4 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices – professional

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant.

▼M1

Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Injection of a stock solution from a tank or an automated feeder Detailed description: Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV), the technical rules for dosing set out in the Deutscher Verein des Gas Wasserfaches e.V. -working sheets W 229, W 296, W 623 and the minimum contact time of W 229 apply (See section 6 for further references). In addition, the requirements of DIN EN 900 Tab. 1, Type 1 shall be met regarding the purity of the releaser calcium hypochlorite.
Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water. Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV). See Section 6 for further reference. Application rate: Maximum addition 1,2mg/l available chlorine in water. Concentration range after completion of treatment: max 0,3 mg/l available chlorine in water, min 0,1 mg/l available chlorine in water (including the amounts before treatment and from other treatments) In exceptional cases an addition of up to 4,7 mg/l available chlorine in water and concentration up to 0,6 mg/l available chlorine in water after treatment is acceptable if disinfection cannot be ensured by other means or if disinfection is temporarily impaired by the presence of ammonium.
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

▼M1

4.4.1. *Use-specific instructions for use*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

4.4.2. *Use-specific risk mitigation measures*

See general direction for use.

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 direction for use.

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

See general direction 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 direction for use.

4.5. **Use description**

Table 5

use # 1-5 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices (automated feeder) – industrial user

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Application by an automated feeder Detailed description: Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV), the technical rules for dosing set out in the Deutscher Verein des Gas Wasserfaches e.V. -working sheets W 229, W 296, W 623 and the minimum contact time of W 229 apply (See section 6 for further references). In addition, the requirements of DIN EN 900 Tab. 1, Type 1 shall be met regarding the purity of the releaser calcium hypochlorite.

▼M1

Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water. Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: In accordance with the list of authorised treatment substances and disinfection processes of Section 20 of the German Ordinance on the Quality of Water Intended for Human Consumption (TrinkwV) Application rate: Maximum addition 1,2mg/l available chlorine in water. Concentration range after completion of treatment: max 0,3 mg/l, min 0,1 mg/l available chlorine in water (including the amounts before treatment and from other treatments) In exceptional cases an addition of up to 4,7 mg/l available chlorine in water and concentration up to 0,6 mg/l available chlorine in water after treatment is acceptable, if disinfection cannot be ensured by other means or if disinfection is temporarily impaired by the presence of ammonium.
Category(ies) of users	industrial
Pack sizes and packaging material	— LDPE bag (100 – 200 kg)

4.5.1. *Use-specific instructions for use*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

4.5.2. *Use-specific risk mitigation measures*

See general direction for use.

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 direction for use.

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

See general direction 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 direction for use.

▼M1

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 1

5.1. **Instructions for use**

Meta-SPC 1-3:

If the concentrated chlorinated solution is prepared manually, the following procedure is to be strictly followed:

1. Always use a container perfectly cleaned-off and exclusively dedicated to this purpose.

2. Determine the respective amounts of water and product that are necessary to be used in order to reach the desired chlorine concentration, e.g. as follows:

   Target available chlorine concentration 0.1%: 1.5 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 0.2%: 3.0 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 1%: 15 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 2%: 30 g calcium hypochlorite per 1 L of water

3. First, pour the necessary amount of water.

4. While shaking gently, afterwards, slowly pour the necessary amount of product.

5. Keep on shaking for at least 15 minutes until total dissolution of the product.

— Always read the label or leaflet before use and follow all the instructions provided.

— Respect the conditions of use of the product.

— Inform the registration holder if the treatment is ineffective.

5.2. **Risk mitigation measures**

Professional use:

— Wear protective coverall (type 5) in accordance with EN 13982-1 or equivalent and closed footwear in accordance with EN 13832-3 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during mixing and loading task and post-application task (contact with solid).

— Wear protection coverall in accordance with EN 13034 or equivalent, face shield in accordance with EN 166 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during post-application task (contact with concentrated stock solution).

— Wear of respiratory protective equipment (RPE) consistent with EN 136 and EN 14387 or equivalent and with an assigned protection factor of minimum (APF) 20 during manipulation of the product for the mixing and loading task with large amount of product.

— No personal protective equipment (PPE) is needed for mixing and loading task (small scale – packaging ≤10kg) with a tool (scoop or similar). This tool must have a handle and must not be in contact to the product (must not be stored inside the packaging). Decanting has to be avoided.

▼M1

This 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.

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

— 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

— 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.

— Keep the container or label available.

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

— Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets…) nor down the drains.

— Dispose of unused product, its packaging and all other waste, in accordance with local regulations.

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

— Store below 35 °C.

— Store away from light.

— Store in a dry place.

— Shelf life: 24 months.

6. OTHER INFORMATION

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

Please note that some Member states after primary disinfection, request to maintain a residual level of available chlorine in drinking water in the pipes as a precautionary measure. This additional amount, claimed by the authorisation holder as ‘Secondary disinfection: 0.2-0.5 mg/l available chlorine (residual)’ has been considered as covered by the primary disinfection.

▼**M1**

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

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

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

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

Part II, Lfd. Nr.7 of the list of authorised treatment substances and disinfection processes of paragraph 20 of the TrinkwV.

Part I c, Lfd. Nr.1 of the list of authorised treatment substances and disinfection processes of paragraph 20 of the TrinkwV.

Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (recast)

Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC. Consolidated version available at: ELI: http://data.europa.eu/eli/reg/2005/396/2024-05-11

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).

DIN EN 900: Chemicals used for treatment of water intended for human consumption - Calcium hypochlorite

EN 13982-1: Protective clothing for use against solid particulates – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)

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

EN ISO 374: Protective gloves against dangerous chemicals and micro-organisms

EN 166: Personal eye-protection – Specifications

▼**M1**

EN 136: Respiratory protective devices – Full face masks – Requirements, testing, marking

EN 14387: Respiratory protective devices - Gas filter(s) and combined filter(s) - Requirements, testing, marking

EN 13034: Protective clothing against liquid chemicals – Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment).

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)	hth Shock	Market area: EU
	hth SPA CHLORS-CHOCK	Market area: EU
	Constant Chlor Plus CCP-S	Market area: EU
	hth SPA FLASH SANITIZER	Market area: EU
	Saniklar Shock	Market area: EU
	hth SPA FLASH DÉSINFECTION	Market area: EU
	hth Chlor Schock Pulver	Market area: EU
	hth SPA SZOKOWY	Market area: EU
	hth Szokowy	Market area: EU
	hth SPA CHLORS-CHOCK	Market area: EU
	Fi-Clor SUPERFAST GRANULES	Market area: EU
	Fi-Clor SUPERFAST SUPERCHLOR-INATOR	Market area: EU
	Champion Rapid Ultrashock Granules	Market area: EU
	SPLASH! Power-Chlor	Market area: EU
	Calcium Hypochlorite Rapid Dissolving	Market area: EU
	Calcium Hypochlorite Shock	Market area: EU
	hth SPA FLASH DESINFECCIÓN	Market area: EU
	SHOCK	Market area: EU
	Biosperse CH70 SP EU	Market area: EU
	Divosan Clear VT103 SP	Market area: EU

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	Ultra Blue	Market area: EU
	Hypo Chlore Ultra	Market area: EU
	Hypo Chlore Ultra Fin	Market area: EU
	SOS Chlore Choc	Market area: EU
	Chlore Express Ultra Fin	Market area: EU
	Chlore Flash	Market area: EU
	Aqua Choc	Market area: EU
	Aqua Shock	Market area: EU
	Blue Pool Shock	Market area: EU
	Blue Pool Choc	Market area: EU
Authorisation number	EU-0027464-0001 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypo-chlorite		Active substance			65 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	100 % (w/w)

1. META SPC 2 ADMINISTRATIVE INFORMATION

1.1. **Meta SPC 2 identifier**

Identifier	Meta SPC: meta-SPC 2 (Water soluble granules)

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 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 calcium hypo-chlorite		Active substance			64,3 - 65 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	99 - 100 % (w/w)

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

Formulation type(s)	SG Water soluble granule

▼M1

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 2

Hazard statements	H272: May intensify fire; oxidiser. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life. EUH031: Contact with acids liberates toxic gas. EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine). EUH071: Corrosive to the respiratory tract.
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. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing or other combustible materials. P260: Do not breathe dust. P260: Do not breathe fume. P260: Do not breathe gas. P260: Do not breathe mist. P260: Do not breathe vapours. P260: Do not breathe spray. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves. P280: Wear protective clothing. P280: Wear eye protection. P280: Wear 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 or a doctor. P363: Wash contaminated clothing before reuse. P370+P378: In case of fire: Use water spray to extinguish. P391: Collect spillage. P501: Dispose of container local regulations.

▼M1

4. AUTHORISED USE(S) OF THE META SPC

4.1. **Use description**

Table 1

use # 2-1 PT 2 – Disinfection of swimming pools and spas – 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: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Direct addition of the product or injection of a stock solution from a tank or from an automated feeder connected to the swimming pool or spa. Detailed description:
Application rate(s) and frequency	Application Rate: Maintenance: 1-3 mg/l of available chlorine in water (swimming pool), 2.5 to 4 mg/l of available chlorine in water (spas); Shock: 10 mg/l of available chlorine in water Number and timing of application: Maintenance of swimming pools: Apply the product as needed to maintain a concentration between 1 and 3 mg/l of available chlorine in water. Maintenance of spas: Apply the product as needed to maintain a concentration between 2.5 up to 4 mg/l of available chlorine in water. Shock treatment of swimming pools and spa: Apply the product as to reach a concentration of 10 mg/l of available chlorine in water (contact time: 10 minutes).
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

4.1.1. *Use-specific instructions for use*

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

▼M1

4.1.2. *Use-specific risk mitigation measures*

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

— Treatment must be made in absence of bathers for shock treatment and until complete dissolution of the product for direct application for maintenance treatment.

— Do not allow entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine for swimming pools water and 4 mg/l of available chlorine for spas water or to national chlorine limit.

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 direction for use.

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

See general direction 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 direction for use.

4.2. **Use description**

Table 2

use # 2-2 PT 2 – Disinfection of swimming pools and spas – 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: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Direct addition of the product to the water surface, e.g. with a scoop or similar. Detailed description:
Application rate(s) and frequency	Application Rate: Shock: 10 mg/l of available chlorine in water Number and timing of application: Shock treatment of swimming pools and spas: Apply the product as to reach a concentration of 10 mg/l of available chlorine in water (contact time: 10 minutes), pH 6,32-7,82.
Category(ies) of users	general public (non-professional)
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0,45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 10 kg)

▼M1

4.2.1. *Use-specific instructions for use*

— Read label before use.

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

4.2.2. *Use-specific risk mitigation measures*

— Use the dosing device, scoop or similar to transfer the product. This tool must be provided with the packaging and must not be in contact with the product (must not be stored inside the packaging). Decanting has to be avoided.

— Treatment must be made in absence of bathers for shock treatment.

— Do not entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine for swimming pools water and 4 mg/l of available chlorine for spas water or to national chlorine limit .

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

— Washing of hands after use.

— Washing of face/ eye after accidental exposure.

— Avoid contact with skin and eyes.

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*

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

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

See general direction 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*

— Keep out of reach of children.

4.3. **Use description**

Table 3

use # 2-3 PT 4 – Disinfection of equipment, containers, pipework associated with drinking water for human consumption by filling/CIP with circulation – professional user

Product type	PT04: Food and feed area

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Where relevant, an exact description of the authorised use	Disinfection of interior surfaces of drinking water systems such as pipework by filling/CIP with circulation.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Filling of piping with stock solution Detailed description:
Application rate(s) and frequency	Application Rate: 100 mg/l of available chlorine in water Number and timing of application: Dissolve 130 g of product into water per cubic meter of the piping to be chlorinated to reach 100 mg/l active chlorine in water. Contact time: 12 hours
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (3 – 45 kg) — LDPE bag (100 – 200 kg)

4.3.1. *Use-specific instructions for use*

— Clean carefully the surfaces before application of the product.

4.3.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

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 direction for use.

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

See general direction 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 direction for use.

4.4. **Use description**

▼M1

Table 4

use # 2-4 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices – professional

Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: This use is not authorised in Germany.

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Injection of stock solution from a tank or injection from an automated feeder. Detailed description:
Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

4.4.1. *Use-specific instructions for use*

See general direction for use.

Not authorised for use in Germany.

4.4.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

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 direction for use.

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

See general direction 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 direction for use.

4.5. **Use description**

Table 5

use # 2-5 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices (automated feeder) – industrial user

Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: This use is not authorised in Germany.

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Application by an automated feeder Detailed description:
Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water
Category(ies) of users	industrial
Pack sizes and packaging material	— LDPE bag (100 – 200 kg)

4.5.1. *Use-specific instructions for use*

See general direction for use -

Not authorised for use in Germany

4.5.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

▼M1

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 direction for use.

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

See general direction 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 direction for use.

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 2

5.1. **Instructions for use**

Meta-SPC 1-3:

If the concentrated chlorinated solution is prepared manually, the following procedure is to be strictly followed:

1. Always use a container perfectly cleaned-off and exclusively dedicated to this purpose.
2. Determine the respective amounts of water and product that are necessary to be used in order to reach the desired chlorine concentration, e.g. as follows:

   Target available chlorine concentration 0.1%: 1.5 g calcium hypochlorite per 1 liter of water

   Target available chlorine concentration 0.2%: 3.0 g calcium hypochlorite per 1 liter of water

   Target available chlorine concentration 1%: 15 g calcium hypochlorite per 1 liter of water

   Target available chlorine concentration 2%: 30 g calcium hypochlorite per 1 liter of water
3. First, pour the necessary amount of water.
4. While shaking gently, afterwards, slowly pour the necessary amount of product.
5. Keep on shaking for at least 15 minutes until total dissolution of the product.

— Always read the label or leaflet before use and follow all the instructions provided.

— Respect the conditions of use of the product.

— Inform the registration holder if the treatment is ineffective.

5.2. **Risk mitigation measures**

Professional use:

— Wear protective coverall (type 5) in accordance with EN 13982-1 or equivalent and closed footwear in accordance with EN 13832-3 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during mixing and loading task and post-application task (contact with solid).

— Wear protection coverall in accordance with EN 13034 or equivalent, face shield in accordance with EN 166 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during post-application task (contact with concentrated stock solution).

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— Wear of respiratory protective equipment (RPE) consistent with EN 136 and EN 14387 or equivalent and with an assigned protection factor of minimum (APF) 20 during manipulation of the product for the mixing and loading task with large amount of product.

— No personal protective equipment (PPE) is needed for mixing and loading task (small scale – packaging ≤10kg) with a tool (scoop or similar). This tool must have a handle and must not be in contact to the product (must not be stored inside the packaging). Decanting has to be avoided.

This 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.

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

— 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

— 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.

— Keep the container or label available.

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

— Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets…) nor down the drains.

— Dispose of unused product, its packaging and all other waste, in accordance with local regulations.

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

— Store below 35 °C.

— Store away from light.

— Store in a dry place.

— Shelf life: 18 months.

6. OTHER INFORMATION

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

Please note that some Member states after primary disinfection, request to maintain a residual level of available chlorine in drinking water in the pipes as a precautionary measure. This additional amount, claimed by the authorisation holder as ‘Secondary disinfection: 0.2-0.5 mg/l available chlorine (residual)’ has been considered as covered by the primary disinfection.

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

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

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

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

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Part I c, Lfd. Nr.1 of the list of authorised treatment substances and disinfection processes of paragraph 20 of the TrinkwV.

Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (recast)

Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC. Consolidated version available at: ELI: http://data.europa.eu/eli/reg/2005/396/2024-05-11

▼M1

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).

DIN EN 900: Chemicals used for treatment of water intended for human consumption - Calcium hypochlorite

EN 13982-1: Protective clothing for use against solid particulates – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)

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

EN ISO 374: Protective gloves against dangerous chemicals and micro-organisms

EN 166: Personal eye-protection – Specifications

EN 136: Respiratory protective devices – Full face masks – Requirements, testing, marking

EN 13034: Protective clothing against liquid chemicals – Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment).

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)	hth granular	Market area: EU
	BLUE TECH RAPID BLUE	Market area: EU
	Constant Chlor plus CCP-G	Market area: EU
	hth GRANULAR SANITIZER	Market area: EU
	hth DÉSINFECTANT GRANULÉS	Market area: EU
	hth DESIN-FECTANTE GRANULADO	Market area: EU
	Marina RAPID BLUE	Market area: EU
	hth Granulat	Market area: EU
	Saniklar Super Boost	Market area: EU
	Marina Calcium Hypochlorite Granular	Market area: EU
	hth Chlorgranulat	Market area: EU
	Granular Chlorine	Market area: EU
	ADIC 513	Market area: EU
	Infinity Desical H70 Grano	Market area: EU
	Champion Chlorine Shock Granules	Market area: EU

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	SPLASH! Shock Chlorine Granules	Market area: EU
	CALCIUMHYPO-CHLORIT GRANU-LIERT	Market area: EU
	CALCIUMHYPO-CHLORIT GRAN. (BLAU)	Market area: EU
	Aqua-Net Calhypo	Market area: EU
	Trichlorin K	Market area: EU
	Calhypo Granulat	Market area: EU
	Calciumhypochlorit Granulat	Market area: EU
	BIOCOR HC	Market area: EU
	BIOCOR GLP	Market area: EU
	KWZ 990 Chlor-Granul	Market area: EU
	KWZ 992 Chlor-Granul 25	Market area: EU
	Calcium Hypochlorite Granules	Market area: EU
	IPOCAL-POOL SD GRANULATE	Market area: EU
	Chlorom C granulat	Market area: EU
	Chlor Gran 70%	Market area: EU
	Hypo Chlor	Market area: EU
	GranuPool 70 %	Market area: EU
	Chlorex C	Market area: EU
	hth GRANULAR	Market area: EU
	CCH GRANULAR	Market area: EU
	HYPOBLACK GRANULAR	Market area: EU
	POOLSUD GRANULAR	Market area: EU
	Calcium Hypochlorite Granular	Market area: EU
	GRANULAR	Market area: EU
	RAPID BLUE	Market area: EU
	BEQ CHLOR ŠOK	Market area: EU
	PWS CHLOR SHOCK granulovaný	Market area: EU
	BENAQUA CHLOR ŠOK granulovaný	Market area: EU
	PWS MODRÝ BLESK PLUS	Market area: EU
	PWS CHLOR FOR WATER	Market area: EU

▼M1

	KRYSTALPOOL CHLOR ŠOK granulát	Market area: EU
	CHLOR ŠOK granulát	Market area: EU
	CHLOR SHOCK	Market area: EU
	Chlornan vápenatý	Market area: EU
	MAREVAKLORIT	Market area: EU
	Chlorano HC	Market area: EU
	hth chips	Market area: EU
	CHIPS	Market area: EU
	Biosperse CH70C	Market area: EU
	Biosperse CH70G	Market area: EU
	Divosan Clear VT103G	Market area: EU
	Divosan Clear VT103C	Market area: EU
	Hypo Chlore Choc	Market area: EU
	Hypo Chlore Granular	Market area: EU
	Chlore Express Granular	Market area: EU
	Chlore Express	Market area: EU
	Aqua Pure	Market area: EU
	Blue Pool Granular	Market area: EU
Authorisation number	EU-0027464-0002 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypo-chlorite		Active substance			65 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	100 % (w/w)

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

Trade name(s)	hth easiflow granular	Market area: EU
	hth easiflo granular	Market area: EU
	POOLSUD	Market area: EU
	Easiflo Granular	Market area: EU
	Biosperse CH70 EG EU	Market area: EU
	Divosan Clear VT103 EG	Market area: EU

▼M1

Authorisation number	EU-0027464-0003 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			64,5 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	99,3 % (w/w)

1. META SPC 3 ADMINISTRATIVE INFORMATION

1.1. **Meta SPC 3 identifier**

Identifier	Meta SPC: meta-SPC 3 (Water soluble tablets)

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 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 calcium hypochlorite		Active substance			58,1 - 65 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	89 - 100 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	0 - 9,5 % (w/w)

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

Formulation type(s)	ST Water soluble tablet

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 3

Hazard statements	H272: May intensify fire; oxidiser. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life. EUH031: Contact with acids liberates toxic gas. EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine). EUH071: Corrosive to the respiratory tract.

▼M1

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. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing or other combustible materials. P260: Do not breathe dust. P260: Do not breathe fume. P260: Do not breathe gas. P260: Do not breathe mist. P260: Do not breathe vapours. P260: Do not breathe spray. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves. P280: Wear protective clothing. P280: Wear eye protection. P280: Wear 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 or a doctor. P363: Wash contaminated clothing before reuse. P370+P378: In case of fire: Use water spray to extinguish. P391: Collect spillage. P501: Dispose of container local regulations.

4. AUTHORISED USE(S) OF THE META SPC

4.1. **Use description**

Table 1

use # 3-1 PT 2 – Disinfection of swimming pools and spas – 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.

▼M1

Target organism(s) (including development stage)	Scientific name: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Dissolution using a floating device, Dissolution through skimmer, Injection through automated feeder connected to the swimming pool or spa Detailed description:
Application rate(s) and frequency	Application Rate: Maintenance: 1-3 mg/l of available chlorine in water (swimming pool), 2.5 to 4 mg/l of available chlorine in water (spas); Shock treatment: 10 mg/l of available chlorine in water Number and timing of application: Maintenance of swimming pools: Apply the product as needed to maintain a concentration between 1 and 3 mg/l of available chlorine in water. Maintenance of spas: Apply the product as needed to maintain a concentration between 2.5 up to 4 mg/l of available chlorine in water. Shock treatment of swimming pools and spa: Apply the product as to reach a concentration of 10 mg/l of available chlorine in water (contact time: 10 minutes).
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

4.1.1. *Use-specific instructions for use*

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

4.1.2. *Use-specific risk mitigation measures*

— Treatment must be made in absence of bathers for shock treatment.

— Do not allow entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine for swimming pools water and 4 mg/l of available chlorine for spas water or to national chlorine limit.

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

▼M1

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 direction for use.

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

See general direction 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 direction for use.

4.2. **Use description**

Table 2

use # 3-2 PT 2 – Disinfection of swimming pools and spas – 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: Bacteria Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Dissolution through a skimmer, Dissolution using a floating device, Injection through an automated feeder Detailed description:
Application rate(s) and frequency	Application Rate: Maintenance: 1-3 mg/l of available chlorine in water (swimming pool), 2.5 to 4 mg/l of available chlorine in water (spas); Shock treatement: 10 mg/l of available chlorine in water. Contact time 10 min, pH 6.32-7.82 Number and timing of application:
Category(ies) of users	general public (non-professional)
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 10 kg)

4.2.1. *Use-specific instructions for use*

— Read label before use.

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

▼M1

4.2.2. *Use-specific risk mitigation measures*

— Use a plier or similar to transfer the product. This tool must be provided with the packaging and must not be in contact with the product (must not be stored inside the packaging). Decanting has to be avoided.

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

— Do not allow entrance to the pool until the concentration decreases back to 3 mg/l of available chlorine for swimming pools water and 4 mg/l of available chlorine for spas water or to national chlorine limit.

— Treatment must be made in absence of bathers for shock treatment.

— Avoid contact with skin and eyes

— Washing of hands after use.

— Washing of face/ eye after accidental exposure.

— Wait for the complete dissolution of the product before working on the floating device, dosing pump or the skimmer.

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 direction for use.

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

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

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

— Keep out of reach of children.

4.3. **Use description**

Table 3

use # 3-3 PT 4 – Disinfection of equipment, containers, pipework associated with drinking water for human consumption by filling/CIP with circulation– professional user

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	Disinfection of interior surfaces of drinking water systems such as pipework by filling/CIP with circulation;
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Filling of piping with stock solution Detailed description:

▼M1

Application rate(s) and frequency	Application Rate: 100 mg/l of available chlorine in water Number and timing of application: Dissolve 130 g of product into water per cubic meter of the piping to be chlorinated to reach 100 mg/l of available chlorine in water Contact time: 12 hours
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg) — LDPE bag (100 – 200 kg)

4.3.1. *Use-specific instructions for use*

— Clean carefully the surfaces before application of the product.

— Dissolve xx g [amount to be specified by authorisation holder for each individual product] of product into water per cubic meter of the piping to be chlorinated (100 mg/L active chlorine).

4.3.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

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 direction for use.

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

See general direction 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 direction for use.

4.4. **Use description**

▼M1

Table 4

use # 3-4 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices – professional

Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: This use is not authorised in Germany.

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Injection of a stock solution from a tank or from an automated feeder Detailed description:-
Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water
Category(ies) of users	professional
Pack sizes and packaging material	— HDPE or PP or PE bottle with HDPE or PP or PE screw cap (0.45 – 1 kg) — HDPE or PP or PE bottle with HDPE or PP or PE screw cap (2 – 4 kg) — HDPE or PP or PE pail with HDPE or PP or PE lid (3 – 25 kg) — HDPE or PP or PE drum with HDPE or PP or PE lid (25 – 45 kg)

4.4.1. *Use-specific instructions for use*

See general direction for use.

Not authorised for use in Germany.

4.4.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in dinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels in Annex III of Regulation (EC) No 396/2005.

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 direction for use.

▼M1

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

See general direction 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 direction for use.

4.5. **Use description**

Table 5

use # 3-5 PT 5 – Disinfection of drinking water for human consumption in public distribution systems and portable devices (automated feeder) – industrial user

Adjustment applicable in the territory of Germany in accordance with Article 44(5), second subparagraph, of Regulation (EU) No 528/2012: This use is not authorised in Germany.

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	Not relevant.
Target organism(s) (including development stage)	Scientific name: Bacteria Common name: Bacteria Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use
Application method(s)	Method: Appliation by an automated feeder Detailed description:
Application rate(s) and frequency	Application Rate: Primary disinfection: 3-5 mg/l (residual) Number and timing of application: Primary disinfection: Apply the product as to reach a concentration between 3 and 5 mg/l of available chlorine in water
Category(ies) of users	industrial
Pack sizes and packaging material	— LDPE bag (100 – 200 kg)

4.5.1. *Use-specific instructions for use*

See general direction for use.

Not authorised for use in Germany.

4.5.2. *Use-specific risk mitigation measures*

— Ensure that the concentration of chlorine in drinking water does not exceed national chlorine limit before consumption.

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

— For food commodities, make sure that the concentration of chlorate present in food does not exceed the maximum residue levels set in Annex III of Regulation (EC) No 396/2005.

▼M1

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 direction for use

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

See general direction 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 direction for use

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 3

5.1. **Instructions for use**

Meta-SPC 1-3:

If the concentrated chlorinated solution is prepared manually, the following procedure is to be strictly followed:

1. Always use a container perfectly cleaned-off and exclusively dedicated to this purpose.

2. Determine the respective amounts of water and product that are necessary to be used in order to reach the desired chlorine concentration, e.g. as follows:

   Target available chlorine concentration 0.1%: 1.5 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 0.2%: 3.0 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 1%: 15 g calcium hypochlorite per 1 L of water

   Target available chlorine concentration 2%: 30 g calcium hypochlorite per 1 L of water

3. First, pour the necessary amount of water.

4. While shaking gently, afterwards, slowly pour the necessary amount of product.

5. Keep on shaking for at least 15 minutes until total dissolution of the product.

— Always read the label or leaflet before use and follow all the instructions provided.

— Respect the conditions of use of the product.

— Inform the registration holder if the treatment is ineffective.

5.2. **Risk mitigation measures**

Professional use:

— Wear protective coverall (type 5) in accordance with EN 13982-1 or equivalent and closed footwear in accordance with EN 13832-3 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during mixing and loading task and post-application task (contact with solid).

▼M1

— Wear protection coverall in accordance with EN 13034 or equivalent, face shield in accordance with EN 166 or equivalent, gloves in accordance with EN ISO 374 or equivalent (glove material to be specified by the authorisation holder within the product information) and chemical goggles in accordance with EN 166 or equivalent during post-application task (contact with concentrated stock solution).

— Wear of respiratory protective equipment (RPE) consistent with EN 136 and EN 14387 or equivalent and with an assigned protection factor of minimum (APF) 20 during manipulation of the product for the mixing and loading task with large amount of product.

— No personal protective equipment (PPE) is needed for mixing and loading task (small scale – packaging ≤10kg) with a tool (scoop or similar). This tool must have a handle and must not be in contact to the product (must not be stored inside the packaging). Decanting has to be avoided.

This 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.

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

— 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

— 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.

— Keep the container or label available.

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

— Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets…) nor down the drains.

— Dispose of unused product, its packaging and all other waste, in accordance with local regulations.

▼M1

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

— Store below 30 °C.

— Store away from light.

— Store in a dry place.

— Shelf life: 24 months.

6. OTHER INFORMATION

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

Please note that some Member states after primary disinfection, request to maintain a residual level of available chlorine in drinking water in the pipes as a precautionary measure. This additional amount, claimed by the authorisation holder as ‘Secondary disinfection: 0.2-0.5 mg/l available chlorine (residual)’ has been considered as covered by the primary disinfection.

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

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

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

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

Part II, Lfd. Nr.7 of the list of authorised treatment substances and disinfection processes of paragraph 20 of the TrinkwV.

Part I c, Lfd. Nr.1 of the list of authorised treatment substances and disinfection processes of paragraph 20 of the TrinkwV.

Directive (EU) 2020/2184 of the European Parliament and of the Council of 16 December 2020 on the quality of water intended for human consumption (recast)

▼M1

Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC. Consolidated version available at: ELI: http://data.europa.eu/eli/reg/2005/396/2024-05-11

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).

DIN EN 900: Chemicals used for treatment of water intended for human consumption - Calcium hypochlorite

EN 13982-1: Protective clothing for use against solid particulates – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing)

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

EN ISO 374: Protective gloves against dangerous chemicals and micro-organisms

EN 166: Personal eye-protection – Specifications

EN 136: Respiratory protective devices – Full face masks – Requirements, testing, marking

EN 13034: Protective clothing against liquid chemicals – Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment).

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)	CCH tablets	Market area: EU
	TABLETS	Market area: EU
	Biosperse CH70 T EU	Market area: EU
	Divosan Clear VT103T	Market area: EU
Authorisation number	EU-0027464-0004 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			64,3 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	99 % (w/w)

▼M1

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

Trade name(s)	hth Briquette	Market area: EU
	Saniklar Day Tabs	Market area: EU
	Marina CHLOR EKONOMICZNY	Market area: EU
	Pulsar Plus Briquettes	Market area: EU
	BRIQUETTE	Market area: EU
	Biosperse CH70 B EU	Market area: EU
	Divosan Clear VT103B	Market area: EU
Authorisation number	EU-0027464-0005 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			65 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	100 % (w/w)

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

Trade name(s)	Hth Duration unwrapped	Market area: EU
	Hth Duration	Market area: EU
	Biosperse CH70 TD EU	Market area: EU
	Divosan Clear VT103 TD	Market area: EU
Authorisation number	EU-0027464-0006 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			64 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	98,5 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	1,5 % (w/w)

▼M1

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

Trade name(s)	hth Stick	Market area: EU
	Constant Chlor Plus CCP-STICK	Market area: EU
	FI-CLOR Supercapsules	Market area: EU
	Saniklar Tempo STICK	Market area: EU
	STICK	Market area: EU
	Biosperse CH70 TS EU	Market area: EU
	Divosan Clear VT103 TS	Market area: EU
	Long Blue Stick	Market area: EU
	Hypo Chlore Stick	Market area: EU
	Chlore Control Stick	Market area: EU
	Aqua Stick	Market area: EU
	Blue Pool Stick	Market area: EU
Authorisation number	EU-0027464-0007 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			64 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	98,5 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	1,5 % (w/w)

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

Trade name(s)	hth e-flo briquette	Market area: EU
	Constant Chlor Plus CCP-B7	Market area: EU
	Constant Chlor Plus Briquette	Market area: EU
	ChlorTek 101	Market area: EU
	MICROCHEM M101	Market area: EU
	HEL 6063	Market area: EU
	accepta 6063	Market area: EU
	Calcium Hypochlorite Briquettes	Market area: EU
	hth easiflo briquette	Market area: EU
	Easiflo briquette	Market area: EU
	hth Easiflo Pastylki	Market area: EU
	Biosperse CH70 EB EU	Market area: EU

▼M1

	Divosan Clear VT103 EB	Market area: EU
	Long Blue Briquette	Market area: EU
	Hypo Chlore Briquette	Market area: EU
	Chlore Control Briquette	Market area: EU
	Aqua Briquette	Market area: EU
	Blue Pool Briquette	Market area: EU
Authorisation number	EU-0027464-0008 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypo-chlorite		Active substance			64,5 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	99,3 % (w/w)

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

Trade name(s)	Poolife A300	Market area: EU
	hth POOLIFE Autofeed A 300	Market area: EU
	Biosperse CH70 TP EU	Market area: EU
	Divosan Clear VT103 TP	Market area: EU
Authorisation number	EU-0027464-0009 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypo-chlorite		Active substance			64,3 % (w/w)
Calcium hypo-chlorite		Releaser	7778-54-3	231-908-7	98,9 % (w/w)

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

Trade name(s)	CCH Endurance	Market area: EU
	Constant Chlor Plus Marathon	Market area: EU
	ENDURANCE	Market area: EU
	Biosperse CH70 TE EU	Market area: EU
	Divosan Clear VT103 TE	Market area: EU
Authorisation number	EU-0027464-0010 1-3	

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Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			58,4 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	89,9 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	9 % (w/w)

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

Trade name(s)	hth Advanced	Market area: EU
	FI-CLOR Advanced	Market area: EU
	Saniklar Advanced	Market area: EU
	Advanced	Market area: EU
	Biosperse CH70 TA EU	Market area: EU
	Divosan Clear VT103 TA	Market area: EU
Authorisation number	EU-0027464-0011 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			58,8 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	90,5 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	9,4 % (w/w)

1. META SPC 4 ADMINISTRATIVE INFORMATION

1.1. **Meta SPC 4 identifier**

Identifier	Meta SPC: meta-SPC 4 (Water soluble tablets - Non-oxidising)

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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

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 calcium hypochlorite		Active substance			40,3 - 40,3 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	62 - 62 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	10,5 - 11 % (w/w)

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

Formulation type(s)	ST Water soluble tablet

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 4

Hazard statements	H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H400: Very toxic to aquatic life. H272: May intensify fire; oxidiser. EUH031: Contact with acids liberates toxic gas. EUH071: Corrosive to the respiratory tract. 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. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220: Keep away from clothing or other combustible materials. P260: Do not breathe dust. P260: Do not breathe fume. P260: Do not breathe gas. P260: Do not breathe mist. P260: Do not breathe vapours. P260: Do not breathe spray.

▼M1

	P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves. P280: Wear protective clothing. P280: Wear eye protection. P280: Wear 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 or a doctor. P363: Wash contaminated clothing before reuse. P391: Collect spillage. P501: Dispose of container local regulations. P370+P378: In case of fire: Use water spray to extinguish.

4. AUTHORISED USE(S) OF THE META SPC

4.1. **Use description**

Table 1

use # 4-1 PT 2 – Disinfection of swimming pools and spas – 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: Bacteria (including L. pneumophila) Common name: Bacteria (including L. pneumophila) Development stage: no data Scientific name: Viruses Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use
Application method(s)	Method: Dissolution through skimmer Detailed description:
Application rate(s) and frequency	Application Rate: Maintenance: 1-3 mg/l of available chlorine in water (swimming pool), 2.5 to 4 mg/l of available chlorine in water (spas) Number and timing of application: Maintenance of swimming pools: Apply the product as needed to maintain a concentration between 1 and 3 mg/l of available chlorine in water (pH 6,32-7,82) Maintenance of spas: Apply the product as needed to maintain a concentration between 2.5 up to 4 mg/l of available chlorine in water (pH 6,32-7,82).

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Category(ies) of users	general public (non-professional)
Pack sizes and packaging material	— HDPE bottle with PP screw cap (0.45 – 1 kg) — HDPE bottle with HDPE screw cap (2 – 4 kg) — HDPE pail with HDPE lid (3 – 10 kg)

4.1.1. *Use-specific instructions for use*

— Check regularly chlorine content in the pools as UV could partially degrade chlorine.

— Ensure complete mixing of the product to water.

4.1.2. *Use-specific risk mitigation measures*

See general direction 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 direction for use.

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

See general direction 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 direction for use.

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 4

5.1. **Instructions for use**

— Read label before use

— Always read the label or leaflet before use and follow all the instructions provided.

— Respect the conditions of use of the product.

— Inform the registration holder if the treatment is ineffective.

5.2. **Risk mitigation measures**

— Use a plier or similar to transfer the product. This tool must be provided with the packaging and must not be in contact with the product (must not be stored inside the packaging). Decanting has to be avoided.

— Avoid contact with skin and eyes

— Washing of hands after use

— Washing of face/ eye after accidental exposure

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— Wait for the complete dissolution of the product before working on the floating device, dosing pump or the skimmer.

— Application of this product is exclusively allowed in swimming pools with connection to a sewage treatment plant. It is not allowed to directly discharge swimming pool water to the surface water.

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 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

— 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.

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

— Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets…) nor down the drains.

— Dispose of unused product, its packaging and all other waste, in accordance with local regulations.

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

— Store below 30 °C.

— Store away from light.

— Store in a dry place.

— Shelf life: 12 months.

— Keep out of reach of children.

6. OTHER INFORMATION

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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)	hth Blue Sparkle	Market area: EU
	Marina Long Blue	Market area: EU
	Blue tech long blue	Market area: EU
	Long Blue	Market area: EU
Authorisation number	EU-0027464-0012 1-4	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from calcium hypochlorite		Active substance			40,3 % (w/w)
Calcium hypochlorite		Releaser	7778-54-3	231-908-7	62 % (w/w)
Calcium dihydroxide		Non-active substance	1305-62-0	215-137-3	10,9 % (w/w)