

EN

ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

HYPOMEN PROFESSIONAL WITH ANTI-SCALE

Product type(s)

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

Authorisation number: 925-1 1-1

R4BP asset number: DK-0030074-0003

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	HYPOMEN PROFESSIONAL WITH ANTI-SCALE
---------------	--------------------------------------

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Sojitz SOLVADIS GmbH
	Address	Schirmerstr. 76 40211 Dusseldorf Germany
Authorisation number		925-1 1-1
<i>R4BP asset number</i>		DK-0030074-0003
Date of the authorisation		01/03/2023
Expiry date of the authorisation		17/11/2032

1.3. Manufacturer(s) of the product

Name of manufacturer	Hubei Xingrui
Address of manufacturer	29 Changjiang road, Xiaoting - Yichang China
Location of manufacturing sites	Hubei Xingrui - 29 Changjiang road, Xiaoting - Yichang China

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

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

Name of manufacturer	Tohoku Tosoh Chemical Co., LTD
Address of manufacturer	1-4-16, Ohama Yamagata 998-0064 Sakata City Japan
Location of manufacturing sites	1-4-16, Ohama Yamagata 998-0064 Sakata City Japan

1.4. Manufacturer(s) of the active substance(s)

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Sojitz SOLVADIS GmbH
Address of manufacturer	Schirmerstraße 76 40211 Düsseldorf Germany
Location of manufacturing sites	Hubei Xingrui Chemical Co, Ltd, 29 Changjiang road, Xiaoting and NO. 66-2 Xiating road, Xiaoting Dist, - Yichang China

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	REACH24H Consulting Group (Acting for Haixing Eno Chemical Co., Ltd. (Chine))
Address of manufacturer	Paramount Court, Corrig Road, Sandyford - Dublin 18 Ireland
Location of manufacturing sites	Haixing Economic Development Area 061200 Haixing County (Hebei Province) China

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Sinopec Europa GmbH
Address of manufacturer	Friedrich-Ebert-Anlage 49 60308 Frankfurt am Main Germany
Location of manufacturing sites	No. 8, Hongqi Road, Wangchang Town - Qianjiang city (Hubei Province) China

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	TOSOH Europe BV (Acting for TOHOKU TOSOH Chemical Co Ltd)
Address of manufacturer	Amstelplein 1 1096 HA Amsterdam Netherlands (the)
Location of manufacturing sites	4-16, 1-Chome, Ohama 998-0064 Sakata City (Yamagata Prefecture) Japan

Active substance	Active chlorine released from calcium hypochlorite
Name of manufacturer	Chemoform AG (Acting for Nankai Chemical CO., LTD. (Japan))
Address of manufacturer	Heinrich-Otto-Straße 28 73240 Wendlingen am Neckar Germany
Location of manufacturing sites	Nankai Chemical, Tosa Factory, 4-10-1, Sanbashi-dori - Kochi-city (Kochi prefecture) Japan

2. PRODUCT COMPOSITION AND FORMULATION

2.1. Qualitative and quantitative information on the composition of the product

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

2.2. Type(s) of formulation

SG - Water soluble granules & ST - Water soluble tablet

3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	<p>H272: May intensify fire; oxidiser.</p> <p>H302: Harmful if swallowed.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H400: Very toxic to aquatic life.</p> <p>EUH031: Contact with acids liberates toxic gas.</p> <p>EUH071: Corrosive to the respiratory tract.</p>
Precautionary statements	<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220: Keep away from clothing or other combustible materials.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P264: Wash hands thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection..</p> <p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a a poison centre/doctor.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P370+P378: In case of fire: Use... to extinguish.</p> <p>P391: Collect spillage.</p> <p>P405: Store locked up.</p> <p>P501: Dispose of {0:...:contents container} to {1:...}.</p>

4. AUTHORISED USE(S)

4.1. Use description

Table 1. Wastewater disinfection

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data
Field(s) of use	indoor use outdoor use The products are added to the effluent stream of the STP for the disinfection of sewage/ wastewater. Disinfection can take place on a regular basis. Water is retained in a buffer or basin after treatment, before discharging to surface water.
Application method(s)	Method: pouring Detailed description: Products are poured manually by operator in non-automated STP (sewage treatment plant) Method: Injection Detailed description: Products are firstly dissolved in water, and the obtained solution is injected in the system via an automated system. Chlorine solution is injected in the treatment tank to treat waste water in STP.
Application rate(s) and frequency	Application rate: 7.1 mg/L Dilution (%): - Number and timing of application: 7.1 mg/L of av Cl2 (with a retention time of 30 minutes) Application rate: 7.1 mg/L Dilution (%): - Number and timing of application: 7.1 mg/L of av Cl2 (with a retention time of 30 minutes)
Category(ies) of users	professional
Pack sizes and packaging material	- Bottle in HDPE (1-2 kg), in PP (2-3.3-4 kg). - Can in HDPE (1 kg). - Jerrican in PP (4 kg). - Bucket in PP (1-2-3-4-5-10-25-40-45 kg), in PP/PE (10-25-40-45 kg), in HDPE (10-25-40-45 kg).

--	--

4.1.1. Use-specific instructions

-

4.1.2. Use-specific risk mitigation measures

4.1.3. Use-specific risk mitigation measures

- Reduce residual concentrations of active chlorine by active carbon filtration or addition of reducing agents (e.g. ascorbic acid or sodium ascorbate) before discharging the wastewater to surface water. Alternatively, the water should be retained in a buffer after disinfection. Regular water quality assessment should be performed to ensure the effluent meets all required quality standards considering all relevant regulations, e.g., the directive 2006/44/EC.

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

-

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

-

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

-

4.2. Use description

Table 2. Swimming pool disinfection (public and private) by professional users: shock treatment against micro-organisms

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

Field(s) of use	indoor use outdoor use The products are added to private/ public swimming pool as a shock treatment against micro-organisms. Pools that are not connected to sewage system are not covered in this dossier.
Application method(s)	Method: Pouring or injection by a dosing system Detailed description: -
Application rate(s) and frequency	Application rate: 10 mg/L Dilution (%): - Number and timing of application: - Bacteria and virus: 10 mg/L of av Cl ₂ in water (contact time of 10 minutes).
Category(ies) of users	professional
Pack sizes and packaging material	- Bottle in HDPE (1-2 kg), in PP (2-3.3-4 kg). - Can in HDPE (1 kg). - Jerrican in PP (4 kg). - Bucket in PP (1-2-3-4-5-10-25-40-45 kg), in PP/PE (10-25-40-45 kg), in HDPE (10-25-40-45 kg).

4.2.1. Use-specific instructions

- Shock treatment without dosing system :

- granular : pout directly into the skimmer or other reservoir or spread over the whole pool with filtration running. In case of windy conditions, pre-dissolve the amount of granules needed for the treatment in water in a bucket at a maximal concentration of 40g/L.

- tablets : put directly into the skimmer with filtration running

4.2.2. Use-specific risk mitigation measures

4.2.3. Use-specific risk mitigation measures

- Application of this product is exclusively allowed in swimming pools with connection to a STP. 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.
- Do not allow entrance to the pool until the concentration decreases back to 1.4 mg/L of available chlorine for swimming pools or to national chlorine limit.

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

-

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

-

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

-

4.3. Use description

Table 3. Swimming pool disinfection (public and private) by professional users: shock treatment against algae

Product type	PT02: Disinfectants and algacides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: green algae Development stage: no data
Field(s) of use	indoor use outdoor use The products are added to private/ public swimming pool as a shock treatment against green algae. The application rate of the product added to the swimming pool depends on the quality of water (e.g. depending on the turbidity). Pools that are not connected to sewage system are not covered in this dossier.
Application method(s)	Method: Pouring or injection by a dosing system Detailed description: -
Application rate(s) and frequency	Application rate: 10 – 15 mg/L Dilution (%): 0 Number and timing of application: 10 – 15 mg/L of av Cl ₂ Action delay: 48H

Category(ies) of users	professional
Pack sizes and packaging material	<ul style="list-style-type: none"> - Bottle in HDPE (1-2 kg), in PP (2-3.3-4 kg). - Can in HDPE (1 kg). - Jerrican in PP (4 kg). - Bucket in PP (1-2-3-4-5-10-25-40-45 kg), in PP/PE (10-25-40-45 kg), in HDPE (10-25-40-45 kg).

4.3.1. Use-specific instructions

- Recommendation for use:

- At 10 mg/L of av Cl₂ in water for moderate green water (10⁴ CFU/mL)
- At 15 mg/L of av Cl₂ in water for very green water (10⁵ CFU/mL)
- If the level of contamination and/or the organic load is/are unknown, the treatment could be performed in two steps: if a first dose of 10 mg/L is not sufficient to reach a visually satisfactory water within 48 h, a second dose of 5 mg/L could be added.

- Shock treatment without dosing system :

- granular : pour directly into the skimmer or other reservoir or spread over the whole pool with filtration running. In case of windy conditions, pre-dissolve the amount of granules needed for the treatment in water in a bucket at a maximal concentration of 40g/L.
- tablets : put directly into the skimmer with filtration running

4.3.2. Use-specific risk mitigation measures

4.3.3. Use-specific risk mitigation measures

- Application of this product is exclusively allowed in swimming pools with connection to a STP. 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.
- Do not allow entrance to the pool until the concentration decreases back to 1.4mg/L of available chlorine for swimming pools or to national chlorine limit.

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

-

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

-

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

-

4.4. Use description

Table 4. Swimming pool disinfection (public and private) by professional users: continuous dosing

Product type	PT02: Disinfectants and algacides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: Virus Development stage: no data</p> <p>Scientific name: no data Common name: green algae Development stage: no data</p>
Field(s) of use	<p>indoor use outdoor use</p> <p>The products are added as continuous dosing into private/public swimming pools which are linked to sewage treatment plant system. Pools that are not connected to sewage system are not covered in this dossier.</p>
Application method(s)	<p>Method: Automatic dosing system or pouring or manual application</p> <p>Detailed description: -</p>
Application rate(s) and frequency	<p>Application rate: 1.4 mg/L</p> <p>Dilution (%): -</p> <p>Number and timing of application: - Bacteria, virus and algae at the application rate of 1.4 mg/L of av Cl₂ (without stabilising agent)</p>
Category(ies) of users	professional
Pack sizes and packaging material	<ul style="list-style-type: none"> - Bottle in HDPE (1-2 kg), in PP (2-3.3-4 kg). - Can in HDPE (1 kg). - Jerrican in PP (4 kg).

	- Bucket in PP (1-2-3-4-5-10-25-40-45 kg), in PP/PE (10-25-40-45 kg), in HDPE (10-25-40-45 kg).
--	---

4.4.1. Use-specific instructions

- Periodic treatment with tablet or granular feeder and dosing system :
- Permanently maintain a rate of av Cl₂ at 1.4 mg / L.
- Periodic treatment without dosing system :

- Granular : pour directly into the skimmer or other reservoir or spread over the whole pool with filtration running. In case of windy conditions, pre-dissolve the amount of granules needed for the treatment in water in a bucket at a maximal concentration of 40g/L.
- Tablets: put directly into the skimmer or other reservoir with filtration running

4.4.2. Use-specific risk mitigation measures

4.4.3. Use-specific risk mitigation measures

- Application of this product is exclusively allowed in swimming pools with connection to a STP. It is not allowed to directly discharge swimming pool water to the surface water.
- For application of solution of predissolved granules / tablets (manual application), wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), coverall (material to be specified by the authorisation holder within the product information) and face shield.
- Treatment must be made in absence of bathers until complete dissolution of the product for direct application for maintenance treatment.

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

-

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

-

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

-

5. GENERAL DIRECTIONS FOR USE¹

5.1. Instructions for use

- Always read the label or leaflet before use and follow all the instructions provided.
- Respect the conditions of use of the product (concentration, contact time, temperature, pH, etc.).
- Inform the registration holder if the treatment is ineffective.

5.2. Risk mitigation measures

- Wear protective chemical resistant gloves (glove material to be specified by the authorisation holder within the product information), coverall (material to be specified by the authorisation holder within the product information) and eye protection during mixing and loading task (packaging higher than 10kg) and post-application task (maintenance, contact with solid).
- Wear RPE at minima APF 20 (type to be specified by the authorisation holder within the product information) during manipulation of the product for the mixing and loading task (packaging higher than 10kg) (user and bystander).
- No PPE is needed for mixing and loading task (packaging bellow or equal to 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. Wash hands after use and avoid contact with skin and eyes.
- General public should not be present during mixing and loading task.

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 SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
- IF 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.
- In case of impaired consciousness place in recovery position and seek medial advice immediately.
- Keep 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

¹Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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

- Shelf life: 20 months.
- Store below 30 °C.
- Store away from light.
- Store in a dry place.

6. OTHER INFORMATION

Bilag 1.1 (meta SPC 1) Oplysninger til etiket og brugsanvisning for produkter i metaSPC 1 for Sojitz Family , BPR-reg. nr. 925-1-1-x[1]

I. Etiketten skal udformes i overensstemmelse med det godkendte resumé af det biocidholdige produkts egenskaber, jf. artikel 69, stk. 1, i biocidforordningen (Forordning (EU) nr. 528/2012), og CLP-Forordningen [2].

II. Det er udelukkende godkendelsesindehaverens ansvar, at etiket, mærkning og pakning lever op til lovens krav, jf. biocidforordningen artikel 69. Etiket og mærkning skal være på dansk.

Nedenstående tekst i afsnit III er bidrag til overholdelsen af reglerne og således kun en del af de krav, som stilles til blandt andet etiketten.

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret:

1) I hovedfeltet:

”Desinfektionsmiddel

Må kun anvendes som desinfektionsmiddel mod bakterier i spildevand og mod bakterier, vira og grønalger i private og offentlige svømmebassiner. Kun til erhvervmæssig brug.”

2) I advarselsfeltet:

”FARE

Kan forstærke brand, brandnærende (H272)

Farlig ved indtagelse (H302)

Forårsager svære ætsninger af huden og øjenskader (H314)

Ætsende for luftvejene (EUH071)

Meget giftig for vandlevende organismer (H400)

Udvikler giftig gas ved kontakt med syre (EUH031)

Bær beskyttelsestøj/øjenbeskyttelse/ansigtsbeskyttelse. Bær kemisk resistente beskyttelseshandsker ved brug af produktet. ”

Handskematerialet skal angives af godkendelsesindehaveren i produktdatabladet.

”Vask tilsmudset tøj før genanvendelse.

Vask huden grundigt efter brug.

Undgå udledning til miljøet.

Udslip opsamles.

Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

Må kun anvendes som desinfektionsmiddel mod bakterier, vira og grønalger i spildevand og svømmebassiner (private og offentlige). Kun til erhvervmæssig brug.

Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.

Må ikke tømmes i kloakfløb.

Holdes væk fra varme/gnister/åben ild/varme overflader. Rygning forbudt.

Shockbehandling må kun udføres uden badende.

Ved anvendelse af produktet i svømmebassiner, skal svømmebassinet have forbindelse med rensningsanlæg. Det er ikke tilladt at udlede behandlet vand fra svømmebassin til overfladevand.

Man må ikke gå i behandlet bassin indtil koncentrationen er reduceret tilbage til 1 mg/L af tilgængelig klor for svømmebassiner eller til den nationale tærskelværdi for klor er nået.

Opbevares under lås.

Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer.

Hylder, borde og andre flader, hvor levnedsmidler skal ligge eller opbevares, må ikke behandles og skal efter arbejdet omhyggeligt renses for eventuelle stænk og spild.”

Farepiktogrammet GHS05 og GHS09.

Miljøstyrelsen henleder opmærksomheden på, at godkendelsesindehaver skal anføre oplysninger om førstehjælp, herunder:

VED INDÅNDING: Flyt personen til et sted med frisk luft og sørg for, at vejtrækningen lettes

I TILFÆLDE af INDTAGELSE: Skyl munden. Fremkald IKKE opkastning.

VED KONTAKT MED HUDEN: Alt tilsmudset tøj tages straks af. Skyl/brus huden med vand.

VED KONTAKT MED ØJNENE: Skyl forsigtigt med vand i flere minutter. Fjern eventuelle kontaktlinser, hvis dette kan gøres let. Fortsæt skylning.

Ring omgående til giftlinjen eller læge.

3) I deklarationsfeltet:

a) Teksten ”Desinfektionsmiddel BPR-reg. nr. 925-1-1-x[3]. Aktivstof og biocidholdigt produkt er godkendt efter biocidforordningen (Forordning (EU) nr. 528/2012)”.

b) Oplysning om præparat typer: ”vandopløselig granulat, vandopløselig tabletter eller vandopløselig briketter”.

c) Indholdet af aktivstof i [vægtprocent (% w/w) og g/kg]

d) Udløbsdatoen skal anføres. Denne dato må højst være 20 måneder efter produktionsdatoen. Etikettens dato kan udformes som en henvisning til en produktionsdato andetsteds på emballagen.

e) Batchnummer eller – betegnelse skal anføres.

f) Pakningsstørrelse i kg.

g) Godkendelsesindehavers navn og adresse.

4) Brugsanvisningen:

Oplysninger om skadevoldere, anvendelsesområde og doseringer.

Følgende retningslinjer gælder i forhold til bortskaffelse.

Der skal mærkes med sikkerhedssætning P501: ”Rester og emballage bortskaffes som farligt affald.”

Følgende sætning skal anføres under sikkerhedssætning P501: ”Ovenstående sætning er Miljøstyrelsens vejledning om affaldshåndtering af dette produkt. Følg altid kommunens affaldsregulativ og forhør dig hos kommunen, hvis du er i tvivl.”