EN

ANNEX

SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT

Natrijev hipoklorit 160g/l

Product type(s)

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

PT05: Drinking water

Authorisation number: SI-0030931-0000 1-1

R4BP asset number: SI-0030931-0003

1. ADMINISTRATIVE INFORMATION

1.1. Trade name(s) of the product

Trade name(s)	Natrijev hipoklorit 160 g/l Belko C Belko C Belko C Belko C Belko C Belko C Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Sodium hypochlorite 160 g/l Belko C Natrijev hipoklorit 160 g/l

1.2. Authorisation holder

Name and address of the authorisation holder	Name	TKI Hrastnik d.d.
	Address	Za Savo 6 1430 Hrastnik Slovenia
Authorisation number		SI-0030931-0000 1-1
R4BP asset number		SI-0030931-0003
Date of the authorisation		16/05/2023
Expiry date of the authorisation		16/05/2033

1.3. Manufacturer(s) of the product

Name of manufacturer	TKI Hrastnik, d.d.
Address of manufacturer	Cesta 1. maja 33 1430 Hrastnik Slovenia
Location of manufacturing sites	TKI Hrastnik, d.d. Cesta 1. maja 33 1430 Hrastnik Slovenia OQEMA d.o.o. Struževo 6 4000 Kranj Slovenia Controlmatik Commerce d.o.o. Rovska cesta 36 1235 Radomlje Slovenia

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

Active substance	Active chlorine released from sodium hypochlorite
Name of manufacturer	TKI Hrastnik, d.d.
Address of manufacturer	Za Savo 6 1430 Hrastnik Slovenia
Location of manufacturing sites	TKI Hrastnik, d.d. site 1 Cesta 1. maja 33 1430 Hrastnik Slovenia

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 sodium hypochlorite		active substance			13,2 % (w/w)

2.2. Type(s) of formulation

SL Soluble concentrate

3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H314: Causes severe skin burns and eye damage. H410: Very toxic to aquatic life with long lasting effe cts. EUH031: Contact with acids liberates toxic gas.
Precautionary statements	P260: Do not breathe vapours. P260: Do not breathe mist. P260: Do not breathe spray. P264: Wash hands thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye p rotection/face protection. P301+P330+P331: IF SWALLOWED: rinse mouth. D o NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off im mediately all contaminated clothing. Rinse skin with w ater [or shower]. P304+P340: IF INHALED: Remove person to fresh ai r and keep comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if pr esent and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor/.. .. P363: Wash contaminated clothing before reuse. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents to in accordance with local r egulation. P501: Dispose of container to in accordance with loca l regulation.

4. AUTHORISED USE(S)

4.1. Use description

Table 1.
Swimming pool and spa water 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: / Common name: Bacteria Development stage: no data Scientific name: other Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use Swimming pool, spa
Application method(s)	Method: closed system Detailed description: Chlorination of water is fully automated process. Machine is equipped with dosing and measuring systems that regulate concentration of active chlorine in the water.
Application rate(s) and frequency	Application rate: Maintenance treatment - continuous application: The set-point range for the concentration during water disinfection should be set at 1 mg available chlorine/L of water Dilution (%): / Number and timing of application: Continuously
Category(ies) of users	professional
Pack sizes and packaging material	HDPE, IBC, 1000 L HDPE, drum, 60 L HDPE, jerrycan, 25 L

4.1.1. Use-specific instructions

Chlorination of water is continuous fully automated process preformed according to standard DIN 19643 - Treatment of water of swimming pools and baths. Machine is equipped with dosing and measuring systems that regulate concentration of active chlorine in the water.
The set-point range for the concentration during water disinfection should be set at 1 mg available chlorine/L of water.

Follow the instructions of the chlorinating machine manufacturer.

4.1.2. Use-specific risk mitigation measures

Wear chemical resistant gloves, eye/face protection, protective clothing and closed footwear for mixing and loading and maintenance/cleaning of dosing pumps (glove and coverall material to be specified by the authorisation holder within the product information).
Wear respiratory protective equipment against aerosols during maintenance/cleaning of dosing pumps (filter type (code letter, colour) to be specified by the authorisation holder within the product information).
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.

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

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

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

Shelf-life: 3 months

4.2. Use description

Table 2.
Swimming pool water shock 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: other Common name: Bacteria Development stage: no data Scientific name: other Common name: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use Swimming pool
Application method(s)	Method: closed system Detailed description: Chlorination of water is fully automated process. Machine is equipped with dosing and measuring systems that regulate concentration of active chlorine in the water.
Application rate(s) and frequency	Application rate: Curative treatment - shock dosing application: The product is applied to reach the concentration max. 30 mg of available chlorine/L of water Dilution (%): / Number and timing of application: Occasionally Contact time: 30 minutes
Category(ies) of users	professional
Pack sizes and packaging material	HDPE, IBC, 1000 L HDPE, drum, 60 L HDPE, jerrycan, 25 L

4.2.1. Use-specific instructions

Shock disinfection of pool water is fully automated process performed when elevated concentrations of microorganisms are present in the water. Machine is equipped with dosing and measuring systems that regulate concentration (max. 30 mg available chlorine/L water) of active chlorine in the water.

4.2.2. Use-specific risk mitigation measures

Wear chemical resistant gloves, eye/face protection, protective clothing and closed footwear for mixing and loading and maintenance/cleaning of dosing pumps (glove and coverall material to be specified by the authorisation holder within the product information).
Wear respiratory protective equipment against aerosols during maintenance/cleaning of dosing pumps (filter type (code letter, colour) to be specified by the authorisation holder within the product information).

Treatment must be made in absence of bathers.
Do not allow entrance to the pool until the concentration decreases back to 1.0 mg/L of available chlorine or to national chlorine limit.

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

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

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

Shelf-life: 3 months

4.3. Use description

Table 3.
Drinking water disinfection

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	/
Target organism(s) (including development stage)	Scientific name: other Common name: Bacteria Development stage: no data Scientific name: other Common name: Viruses Development stage: no data
Field(s) of use	indoor use Disinfection at the drinking water suppliers and their water distribution systems
Application method(s)	Method: closed system Detailed description: Chlorination of water is continuous fully automated process. Machine is equipped with dosing and measuring systems that regulate concentration of active chlorine in the water.

Application rate(s) and frequency	Application rate: Primary disinfection (maintenance treatment - continuous application): The set-point range for the concentration during drinking water disinfection should be set at 0.5 mg available chlorine/L of water Dilution (%): / Number and timing of application: Continuously
Category(ies) of users	professional
Pack sizes and packaging material	HDPE, IBC, 1000 L HDPE, drum, 60 L HDPE, jerrycan, 25 L

4.3.1. Use-specific instructions

Chlorination of water is continuous fully automated process. Machine is equipped with dosing and measuring systems that regulate concentration of active chlorine in the water.

The set-point range for the concentration during drinking water disinfection should be set at 0.5 mg available chlorine/L water.

4.3.2. Use-specific risk mitigation measures

Wear chemical resistant gloves, eye/face protection, protective clothing and closed footwear for mixing and loading and maintenance/cleaning of dosing pumps (glove and coverall material to be specified by the authorisation holder within the product information).
Wear respiratory protective equipment against aerosols during maintenance/cleaning of dosing pumps (filter type (code letter, colour) to be specified by the authorisation holder within the product information).
Ensure that the concentration of chlorine in the drinking water does not exceed national chlorine limits 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, ensure that the concentration of chlorate present in food does not exceed the MRL values set in Regulation 2020/749.

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

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

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

Shelf-life: 3 months

5. GENERAL DIRECTIONS FOR USE[1]

5.1. Instructions for use

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5.2. Risk mitigation measures

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

FIRST AID:
IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.
IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.
Information to Healthcare personnel/doctor: The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid.

ENVIRONMENT:
Avoid release to the environment. Absorb split chemicals with inert binding material (sand, clay or universal binders).

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

Dispose the product left over to the licensed waste-disposal contractor.

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

Store the product in cool (0 - 25 °C) and dry place, protected from sunlight.
Shelf-life: 3 months

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

6. OTHER INFORMATION

Please note that some member states including Slovenia, 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 applicant as “Secondary disinfection: max. 0.5 mg/L available chlorine (residual)” has been considered as covered by the primary disinfection.