

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **Specialno čistilo za fuge**
Creation date: **2.8.2017** · Revision: **29.4.2020** · Version: **1**

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

Specialno čistilo za fuge



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1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Cleaning agent.

Uses advised against

Only use for the intended purpose.

1.3. Details of the supplier of the safety data sheet

Supplier

Plastik SI, proizvodnja plastičnih izdelkov, d.o.o.
Address: Kolodvorska cesta 9, 5213 Kanal, Slovenia
Phone: +386 (0)5 3302600
Fax: +386 (0)5 3302620
E-mail: info@plastik.si

1.4. Emergency telephone number

Emergency

112

Supplier

+386 (0)5 3302600

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Met. Corr. 1; H290 May be corrosive to metals.
Skin Corr. 1B; H314 Causes severe skin burns and eye damage.
Eye Dam. 1; H318 Causes serious eye damage.
STOT SE 3; H335 May cause respiratory irritation.
Aquatic Acute 1; H400 Very toxic to aquatic life.
Aquatic Chronic 1; H410 Very toxic to aquatic life with long lasting effects.

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2.2 Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: **Danger**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

P102 Keep out of reach of children.

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P501 Dispose of contents/container in accordance with national regulation.

2.2.2. Contains:

sodium hypochlorite (CAS: 7681-52-9, EC: 231-668-3, Index: 017-011-00-1)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
sodium hypochlorite ^[B]	7681-52-9 231-668-3 017-011-00-1	ca. 30	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 [M=10] Aquatic Chronic 1; H410 EUH031		01-2119488154-34
alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 500-234-8 -	0,5-1	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	Eye Dam. 1; H318: C - ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	

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Notes for substances:

B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %".

In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. Person giving first aid should properly protect himself.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. In the event of breathing difficulties, get medical advice/attention immediately.

Following skin contact

Immediately remove contaminated clothing. Areas of the body that have come into contact with the product must be rinsed immediately with plenty of running water. In case of burns, seek medical attention immediately.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Protect the undamaged eye. Consult a physician immediately!

Following ingestion

Do not induce vomiting! Rinse mouth and drink plenty of water (only if the person is conscious). The affected person should stop drinking water if he/she feels sick, because of risk of vomiting. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Can cause irritation of respiratory system.
Coughing, sneezing, nasal discharge, labored breathing.
Burning pain in the nose and throat.
Vapours can cause headache and nausea.

Skin contact

Pain, redness, blisters and burns.
Causes severe burns.
Skin burns: Signs/symptoms may include localised redness, swelling, itching, dryness, blistering.

Eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.
Causes burns: signs/symptoms include corneal damage, burns, pain, lacrimation, corrosive effects, partial or complete lost of sight.

Ingestion

If ingested, causes severe burns of the mouth and throat, as well as perforation of the esophagus and stomach.
May cause nausea/vomiting and diarrhea.
May cause heavy breathing.

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4.3. Indication of any immediate medical attention and special treatment needed

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SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

Carbon oxides (CO_x).

Sulphuric oxides (SO_x).

Chlorine.

5.3. Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area. Move undamaged containers from immediate hazard area if it can be done safely.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system. Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations. May be corrosive to metals.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8). Corrosion-proof suit.

Emergency procedures

Ensure adequate ventilation. No action shall be taken involving any personal risk or without suitable training. Evacuate the danger zone. Remove unprotected and untrained people away from danger. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

During intervention, use personal protective equipment (Section 8). Corrosion-proof suit.

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Limit spillages with non-combustible absorbents, e.g. sand, earth, vermiculite, diatomaceous earth.

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6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Dispose of waste in suitable and well marked containers. Do not use metal containers. Dispose in accordance with applicable regulations (see Section 13). Dispose of rinsing water over suitable waste water treatment plants only.

6.3.3. Other information

See Section 7: safe handling.

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

Ensure good ventilation and extraction.

Measures to protect the environment

Do not allow it to flow into sewerage systems, surface waters and soil. Close the packaging tightly immediately after use.

7.1.2. Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety procedures. Use good personal hygiene practices – wash hands at breaks and when done working with material. Wear suitable protective equipment; see Section 8. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Do not mix with acids. Ensure a clean working environment. Remove contaminated clothes and wash them before reuse. Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in a cool, dry and well ventilated place. Protect against heat and direct sunlight. Maximum filling of reservoirs and containers resistant to alkalis: 95% of volume. Devices to prevent overflow of containers and to prevent spillage into the environment. Keep away from incompatible products (see section 10). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

7.2.2. Packaging materials

Resistant to alkalis. Unsuitable packaging materials: metal.

7.2.3. Requirements for storage rooms and vessels

Maximal quantity of container filling: 95%. Close opened containers after use. Put the containers upright to prevent from leaking. The floor of the storage room must be impermeable and dam spilled liquid. Provide alkali-resistant floor.

7.2.4. Storage class

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7.2.5. Further information on storage conditions

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7.3. Specific end use(s)

Recommendations

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Industrial sector specific solutions

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Chlorine (7681-52-9)			0,5	1,5		

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Worker	dermal	long term (systemic effects)	2750 mg/kg bw/day	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Worker	inhalation	long term (systemic effects)	175 mg/m ³	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Consumer	dermal	long term (systemic effects)	1650 mg/kg bw/day	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Consumer	oral	long term (systemic effects)	15 mg/kg bw/day	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Consumer	inhalation	long term (systemic effects)	52 mg/m ³	

8.1.4. PNEC values

For components

Name	Exposure route	Value	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	fresh water	0,24 mg/L	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	soil	7,5 mg/kg	dry weight
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	water treatment plant	10 g/L	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	marine water	0,024 mg/L	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	marine water sediment	0,092 mg/kg	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	water, intermittent release	0,071 mg/L	
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	fresh water sediment	0,917 mg/L	

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8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Handle in accordance with good industrial hygiene and safety practice. Appropriate technical measures to reduce exposure of workers must be chosen depending on the specific use of the product and the resulting risk of exposure at the workplace. If technical measures to reduce workers' exposure are not sufficient, and the limit values of hazardous substances in the air are exceeded, it is necessary to use personal protective equipment. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. Personal protective equipment must be CE marked, showing that it complies with applicable standards. The personal protective equipment is required only for professional use or for large packs (not for domestic packages). For consumer use, please follow the recommendations appearing on the product label.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

8.2.2. Personal protective equipment

Eye and face protection

Tightly sealed safety glasses (EN 166) in combination with face and eyes shield (EN 166).

Hand protection

Wear alkaline resistant protective gloves. Use chemical resistant gloves classified according to standard EN 374. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The product is a preparation of several substances, the resistance of glove materials cannot be predicted and must therefore be checked before use.

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). At higher exposures wear chemical-resistant clothing (EN 13034) and boots, natural rubber (EN 20345).

Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

-

8.2.3. Environmental exposure controls

Substance/mixture related measures to prevent exposure

Implement measures to protect the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid
-	Colour:	colourless to slightly yellowish
-	Odour:	chlorine

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Important health, safety and environmental information

-	pH	> 11,5 at 20 °C (sodium hypochlorite, solution > 10 % Cl active)
-	Melting point/freezing point	-16 °C (sodium hypochlorite, solution > 10 % Cl active)
-	Initial boiling point/boiling range	> 40 °C (thermal decomposition; sodium hypochlorite, solution > 10 % Cl active)
-	Flash point	No information.
-	Evaporation rate	No information.
-	Flammability (solid, gas)	No information.
-	Explosion limits (vol%)	No information.
-	Vapour pressure	23,33 hPa at 20 °C (sodium hypochlorite, solution > 10 % Cl active)
-	Vapour density	No information.
-	Density	Density: 1,2 – 1,25 g/cm ³ at 20 °C (sodium hypochlorite, solution > 10 % Cl active)
-	Solubility	Water: Soluble
-	Partition coefficient	No information.
-	Auto-ignition temperature	No information.
-	Decomposition temperature	No information.
-	Viscosity	No information.
-	Explosive properties	No information.
-	Oxidising properties	No information.

9.2. Other information

-	Remarks:	It can be corrosive to metals.
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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Do not expose to temperatures exceeding 40 °C. Do not expose to heat and direct sunlight. Avoid contact with acid. Do not mix with other cleaners. Do not mix with other chemicals.

10.5. Incompatible materials

Ammonia, amines, ammonium salts, methanol, bisulfates, oxidising metals, acids.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. Chlorine. Carbon oxides. sulfur oxides (SO_x)

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SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
sodium hypochlorite (7681-52-9)	oral	LD ₅₀	mouse		5800 mg/kg		
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	oral	LD ₅₀	rat		> 2000 mg/kg		
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	dermal	LD ₅₀	rat		> 2000 mg/kg		

Additional information: As no toxicological data available on the mixture, the following assessment on toxicological effects has been made based on the data toxicology of the ingredients and according to their amount using the calculation methods.

(b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	rabbit		Irritating to skin.		

Additional information: Causes severe skin burns and eye damage.

(c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	rabbit		Danger of serious eye injury.		

(d) Respiratory or skin sensitisation

Name	Exposure route	Species	Time	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	-			According to known data the substance is not a chemical sensitizer.		

(e) (Germ cell) mutagenicity

Name	Type	Species	Time	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)				The chemical is not classified as mutagenic.		

(f) Carcinogenicity

Name	Exposure route	Type	Species	Time	Value	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)						The chemical is not classified as carcinogenic.		

(g) Reproductive toxicity

Name	Reproductive toxicity type	Type	Species	Time	Value	Result	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)						The chemical is not classified as toxic for reproduction.		

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Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

Additional information: STOT - single exposure: May cause respiratory irritation.

(i) STOT-repeated exposure

No information.

(j) Aspiration hazard

No information.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
sodium hypochlorite (7681-52-9)	LC ₅₀	5,9 mg/L	96 h	fish			
	LC ₅₀	52 mg/L	96 h	crustacea			
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	LC ₅₀	7,1 mg/L	96 h	fish	<i>Brachydanio rerio</i>		
	EC ₅₀	7,4 mg/L	48 h	daphnia	<i>Daphnia magna</i>		
	EC ₅₀	27,7 mg/L	72 h	algae	<i>Desmodesmus subspicatus</i>		
	LC ₅₀ /EC ₅₀ /IC ₅₀	1 – 10 mg/L					the most sensitive species

12.1.2. Chronic (long-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	NOEC	1,2 mg/l		fish			QSAR
	NOEC	1,2 mg/l		invertebrates			QSAR

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	biodegradability	100 %	28 days	readily biodegradable		

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Additional information

It decomposes to sodium chloride and sodium carbonate in air under the effect of high temperatures and sunlight.

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

For components

Substance (CAS Nr.)	Media	Value	Temperature	pH	Concentration	Method
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Log Pow	≤ 3				

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

For components

Substance (CAS Nr.)	Type	Criterion	Value	Evaluation	Method	Remark
alcohols, C12-14, ethoxylated, sulfates, sodium salts (68891-38-3)	Water			Soluble.		

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information.

12.7. Additional information

For product

Very toxic to aquatic organisms.
Do not allow to reach ground water, water courses or sewage system.
Negative effects on aquatic environment are possible due to changes in pH-value.
Product contains active chlorine.
Larger quantities may affect the operation of waste-water treatment plants.

For components

Substance: alcohols, C12-14, ethoxylated, sulfates, sodium salts

May cause long-term adverse effects in the aquatic environment.
Bioaccumulation is not expected.
This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Prevent the release of undiluted product into the sewage system.

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Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

13.1.2. Waste treatment-relevant information

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13.1.3. Sewage disposal-relevant information

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13.1.4. Other disposal recommendations

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SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1791

14.2. UN proper shipping name

HYPOCHLORITE SOLUTION

IMDG name: HYPOCHLORITE SOLUTION (sodium hypochlorite)

14.3. Transport hazard class(es)

8

14.4. Packing group

II

14.5. Environmental hazards

Additional labeling: ENVIRONMENTALLY HAZARDOUS

IMDG: MARINE POLLUTANT

14.6. Special precautions for user

Limited quantities

1 L

Tunnel restriction code

(E)

IMDG EmS

F-A, S-B

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.



SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

15.1.2. Ingredients according to Regulation EC 648/2004 on detergents

15% - 30%: chlorine-based bleaching agents; < 5%: anionic surfactants

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for one or more substances present in the material.

SECTION 16. OTHER INFORMATION

Indication of changes

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Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States

SAFETY DATA SHEET according to Regulation 1907/2006

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MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

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List of relevant H phrases

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH031 Contact with acids liberates toxic gas.



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.