

## SAFETY DATA SHEET

### BPS 7112

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Trade name

BPS 7112

Product no.

7112

Unique formula identifier (UFI)

K990-00FM-6007-2VNG

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

Relevant identified uses of the substance or mixture

Cleaning product

▼ Uses advised against

None known.

##### 1.3. Details of the supplier of the safety data sheet

Company and address

**Trion Tensid AB**

Svederusgatan 1-3

SE-75450 Uppsala

Sweden

+46 18 15 61 90

www.trion.se

▼ Contact person

William Stomilovic

E-mail

info@trion.se

Revision

30/09/2022

SDS Version

3.0

Date of previous version

02/09/2021 (2.0)

##### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

##### 2.2. Label elements

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### Hazard pictogram(s)



#### Signal word

Danger

#### Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Very toxic to aquatic life with long lasting effects. (H410)

#### Safety statement(s)

##### General

-

##### ▼ Prevention

Do not breathe . (P260)

Wash thoroughly after handling. (P264)

Wear . (P280)

##### ▼ Response

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

#### Storage

-

##### ▼ Disposal

Dispose of contents/container . (P501)

#### Hazardous substances

sodium hypochlorite, solution ... % Cl active

##### ▼ Additional labelling

EUH032, Contact with acids liberates very toxic gas.

The product contains a biocidal product.

#### 2.3. Other hazards

##### ▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### ▼ 3.2. Mixtures

| Product/substance                             | Identifiers   | % w/w | Classification  | Note |
|---|---|-------|---|------|
| sodium hypochlorite, solution ... % Cl active | CAS No.: 7681-52-9<br>EC No.: 231-668-3<br>UK-REACH:<br>Index No.: 017-011-00-1 | <10%  | EUH031<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1)                |      |
| sodium hydroxide caustic soda                 | CAS No.: 1310-73-2<br>EC No.: 215-185-5   | <1%   | Skin Corr. 1B, H314 (SCL: 2.00 %)<br>Skin Corr. 1A, H314<br>Skin Irrit. 2, H315 (SCL: 0.50 %)<br>Eye Irrit. 2, H319 (SCL: 0.50 %) |      |

UK-REACH:

Index No.: 011-002-00-6

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### ▼ Other information

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### ▼ Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### ▼ Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

#### ▼ Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### ▼ Burns

Not applicable.

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

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

#### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

### ▼ 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the

sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Halogenated compounds

Some metal oxides

Oxygen, hypochlorous acid, chlorine.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### ▼ 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### ▼ 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

4 - 25 Celcius

#### Incompatible materials

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### ▼ 8.1. Control parameters

—  
sodium hydroxide caustic soda

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

#### DNEL

sodium hypochlorite, solution ... % Cl active

| Duration   | Route of exposure | DNEL                   |
|--|-------------------|------------------------|
| Long term – Systemic effects - General population  | Inhalation        | 1,55 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers             | Inhalation        | 1,55 mg/m <sup>3</sup> |
| Short term – Systemic effects - General population | Inhalation        | 3,1 mg/m <sup>3</sup>  |
| Short term – Systemic effects - Workers            | Inhalation        | 3,1 mg/m <sup>3</sup>  |

#### PNEC

sodium hypochlorite, solution ... % Cl active

| Route of exposure      | Duration of Exposure | PNEC          |
|------------------------|----------------------|---------------|
| Freshwater sediment    |                      | 0,000021 mg/L |
| Intermittent release   |                      | 0,00026 mg/L  |
| Marine water sediment  |                      | 0,000042 mg/L |
| Sewage treatment plant |                      | 0,03 mg/L     |

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

#### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

#### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.


#### Individual protection measures, such as personal protective equipment

##### ▼ Generally

Use only UKCA marked protective equipment.


#### Respiratory Equipment

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| Work situation                          | Type | Class                  | Colour | Standards   |
|---|------|------------------------|--------|---|
| In the case of insufficient ventilation | B    | Class 1 (low capacity) | Gray   |  |


#### Skin protection

| Recommended                             | Type/Category | Standards |
|---|---------------|-----------|
| Dedicated work clothing should be worn. | -             | -         |




#### Hand protection

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|----------|----------------------|--------------------------|-----------|
| Nitrile  | 0,4                  | >480                     | EN374-2   |



#### Eye protection

| Type                                   | Standards |
|--|-----------|
| Wear safety glasses with side shields. | EN166     |



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Transparent

Odour / Odour threshold

Characteristic

pH

12,5

Density (g/cm<sup>3</sup>)

1.07

▼ Kinematic viscosity

Testing not relevant or not possible due to the nature of the product.

Particle characteristics

Does not apply to liquids.

Phase changes

▼ Melting point/Freezing point (°C)

Testing not relevant or not possible due to the nature of the product.

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

▼ Boiling point (°C)

100

▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ Relative vapour density

Testing not relevant or not possible due to the nature of the product.

▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

▼ Flash point (°C)

Not applicable - flash point > 200°C

▼ Ignition (°C)

Not applicable - flash point > 200°C

▼ Auto flammability (°C)

Not applicable - flash point > 200°C

▼ Lower and upper explosion limit (% v/v)

Not applicable - flash point > 200°C

Solubility

▼ Solubility in water

Completely soluble

▼ n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

9.2. Other information

▼ Other physical and chemical parameters

No data available.

## SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with acids liberates toxic gas.

Reacts violently with alkali metals, metal powders, oxidizing materials and amines.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

Contact with acids liberates very toxic gas.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 20 °C/68 °F.

10.5. Incompatible materials

Strong acids, alkali metals, metal powders, oxidizing materials and amines. Contact with metals can result in decomposition with the formation of oxygen.

10.6. Hazardous decomposition products

Chlorine gas is formed on contact with acid

## SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

|                   |   |
|-------------------|---|
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Rat   |
| Route of exposure | Oral  |
| Test              | LD50  |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |   |
|-------------------|---|
| Result            | >1100 mg/kg                                   |
| Other information |   |
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Rat   |
| Route of exposure | Dermal  |
| Test              | LD50  |
| Result            | 2000 mg/kg                                    |
| Other information |   |
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Rat   |
| Route of exposure | Inhalation                                    |
| Test              | LC50  |
| Result            | 10500 mg/L                                    |
| Other information |   |
| Product/substance | sodium hydroxide caustic soda                 |
| Test method       |   |
| Species           | Rabbit  |
| Route of exposure | Oral  |
| Test              | LD lo   |
| Result            | 500 mg/kg ·                                   |
| Other information |   |

#### Skin corrosion/irritation

|                   |   |
|-------------------|---|
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       | no guideline followed                         |
| Species           | Human   |
| Duration          | No data available.                            |
| Result            | Adverse effect observed (Corrosive)           |
| Other information |   |

Causes severe skin burns and eye damage.

#### ▼ Serious eye damage/irritation

|                   |   |
|-------------------|---|
| Product/substance | sodium hypochlorite, solution ... % Cl active |
|-------------------|---|



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |   |
|-------------------|---|
| Test method       | no guideline followed                               |
| Species           | Human   |
| Duration          | No data available.                                  |
| Result            | Adverse effect observed (Causes serious eye damage) |
| Other information |   |

Causes serious eye damage.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

#### ▼ Endocrine disrupting properties

None known.

#### ▼ Other information

None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |   |
|-------------------|---|
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Fish  |
| Compartment       |   |
| Duration          | 96 hours                                      |
| Test              | LC50  |
| Result            | 0,06 mg/L ·                                   |
| Other information |   |
| Product/substance | sodium hypochlorite, solution ... % Cl active |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |   |
|-------------------|---|
| Test method       |   |
| Species           | Daphnia                                       |
| Compartment       |   |
| Duration          | 48 hours                                      |
| Test              | EC50  |
| Result            | 0,141 mg/L ·                                  |
| Other information |   |
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Fish  |
| Compartment       |   |
| Duration          | 28 days                                       |
| Test              | NOEC  |
| Result            | 0,04 mg/L ·                                   |
| Other information |   |
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Test method       |   |
| Species           | Algae   |
| Compartment       |   |
| Duration          | 72 hours                                      |
| Test              | EC50  |
| Result            | 0,04 mg/L                                     |
| Other information |   |
| Product/substance | sodium hydroxide caustic soda                 |
| Test method       |   |
| Species           | Fish  |
| Compartment       |   |
| Duration          | 96 hours                                      |
| Test              | LC50  |
| Result            | 125 mg/L ·                                    |
| Other information |   |
| Product/substance | sodium hydroxide caustic soda                 |
| Test method       |   |
| Species           | Daphnia                                       |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

|                   |                    |
|-------------------|--------------------|
| Compartment       |                    |
| Duration          | No data available. |
| Test              | LOEC               |
| Result            | 40-240 mg/L ·      |
| Other information |                    |

## 12.2. Persistence and degradability

|                   |   |
|-------------------|---|
| Product/substance | sodium hypochlorite, solution ... % Cl active |
| Biodegradable     | Yes   |
| Test method       |   |
| Result            |   |
| Product/substance | sodium hydroxide caustic soda                 |
| Biodegradable     | Yes   |
| Test method       |   |
| Result            |   |

## ▼ 12.3. Bioaccumulative potential

|                           |   |
|---------------------------|---|
| Product/substance         | sodium hypochlorite, solution ... % Cl active |
| Test method               |   |
| Potential bioaccumulation | No  |
| LogPow                    | No data available.                            |
| BCF                       | -3.42   |
| Other information         |   |
| Product/substance         | sodium hydroxide caustic soda                 |
| Test method               |   |
| Potential bioaccumulation | No  |
| LogPow                    | No data available.                            |
| BCF                       | No data available.                            |
| Other information         |   |

## ▼ 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## ▼ 12.6. Endocrine disrupting properties

None known.

## 12.7. Other adverse effects

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.  
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### ▼ 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

HP 12 – Release of an acute toxic gas

HP 14 – Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

After dilution with water, small quantities are permitted to go to water treatment plants. Empty packages and product residues must be handled in an environmentally correct manner according to applicable laws and provisions. The company is affiliated to REPA. Do not attempt to refill or clean the package.

#### EWC code

20 01 29\* Detergents containing dangerous substances

#### ▼ Specific labelling





Not applicable.

#### Contaminated packing


Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information



|      | 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es)<br>Labels: 8<br>Classification code:<br>C9   | 14.4 PG* | 14.5 Env** | Other information  |
|------|--------------|------------------------------|--|----------|------------|--|
| ADR  | UN1791       | HYPOCHLORITE SOLUTION        | <br> | II       | Yes        | Limited quantities: 1 L<br>Tunnel restriction code: (E)<br>See below for additional information. |
| IMDG | UN1791       | HYPOCHLORITE SOLUTION        | <br> | II       | Yes        | Limited quantities: 1 L<br>EmS: F-A S-B<br>See below for additional information.                 |
| IATA | UN1791       | HYPOCHLORITE SOLUTION        | Class: 8<br>Labels: 8<br>Classification code:  | II       | Yes        | See below for additional information.  |

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

| 14.1 UN / ID | 14.2 UN proper shipping name | 14.3 Hazard class(es)   | 14.4 PG* | 14.5 Env** | Other information |
|--------------|------------------------------|---|----------|------------|-------------------|
|              |                              | C9<br> |          |            |                   |

\* Packing group

\*\* Environmental hazards

#### ▼ Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

#### ▼ 14.6. Special precautions for user

Not applicable.

#### ▼ 14.7. Maritime transport in bulk according to IMO instruments

No data available.

## SECTION 15: Regulatory information

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

#### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

#### ▼ Demands for specific education

No specific requirements.

#### SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

#### ▼ Additional information

Not applicable.

#### ▼ Sources

The Management of Health and Safety at Work Regulations 1999.

Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

Control of Major Accident Hazards (COMAH) Regulations 2015.

In accordance with Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products as retained and amended in UK law.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

#### ▼ Full text of H-phrases as mentioned in section 3

EUH031, Contact with acids liberates toxic gas.

- H314, Causes severe skin burns and eye damage.
- H315, Causes skin irritation.
- H318, Causes serious eye damage.
- H319, Causes serious eye irritation.
- H400, Very toxic to aquatic life.
- H410, Very toxic to aquatic life with long lasting effects.

#### ▼ Abbreviations and acronyms

- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- CAS = Chemical Abstracts Service
- CE = Conformité Européenne
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- CSA = Chemical Safety Assessment
- CSR = Chemical Safety Report
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EINECS = European Inventory of Existing Commercial chemical Substances
- ES = Exposure Scenario
- EUH statement = CLP-specific Hazard statement
- EWC = European Waste Catalogue
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IARC = International Agency for Research on Cancer (IARC)
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- OECD = Organisation for Economic Co-operation and Development
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SCL = A specific concentration limit
- SVHC = Substances of Very High Concern
- STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
- STOT-SE = Specific Target Organ Toxicity - Single Exposure
- TWA = Time weighted average
- UN = United Nations
- UVBC = Unknown or variable composition, complex reaction products or of biological materials
- VOC = Volatile Organic Compound
- vPvB = Very Persistent and Very Bioaccumulative

#### ▼ Additional information

- The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
- The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### ▼ The safety data sheet is validated by

William Stomilovic

#### Other

- A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en