

**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 16.01.2025

Version number 5 (replaces version 4)

Revision: 16.01.2025

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

- **1.1 Product identifier**
- **Trade name:** **BWT BENAMIN Sporex**
- **UFI:** 20T0-N0UW-K00T-AQKW
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Disinfectant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BWT Holding GmbH  
Walter-Simmer-Straße 4  
A - 5310 Mondsee  
AUSTRIA  
Tel.: +43/6232/5011-0  
Fax: +43/6232/4058  
email: office@bwt.at
- **Further information obtainable from:**  
Abteilung F&E - Chemikalienbeauftragte(r)  
Tel.: +43/6232/5011-1893  
+43/6232/5011-1427  
email: msds-info@bwt-group.com
- **1.4 Emergency telephone number:**  
Poison center Vienna  
Tel.: +43/1-406 43 43

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

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.



GHS09 environment

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**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05    GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
sodium hypochlorite, solution

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· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P102 Keep out of reach of children.

P234 Keep only in original packaging.

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call a POISON CENTER/doctor.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH031 Contact with acids liberates toxic gas.

Contains biocidal products: sodium hypochlorite, solution

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Determination of endocrine-disrupting properties**

This product does not contain ingredients with endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% (w/w) or more.

\*

**SECTION 3: Composition/information on ingredients**

· **3.2 Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 7681-52-9 EINECS: 231-668-3 Reg.nr.: 01-2119488154-34-xxxx	sodium hypochlorite, solution Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1) STOT SE 3, H335 EUH031 Specific concentration limit: EUH031: C ≥ 5 %	≥10-<20%
CAS: 1310-73-2 EINECS: 215-185-5	sodium hydroxide Skin Corr. 1A, H314 Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %	≥0,5-<2%

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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Take affected persons into fresh air and keep quiet.  
In the event of irregular breathing or respiratory arrest, initiate artificial respiration.  
In case of unconsciousness place patient stably in side position for transportation.  
Call a doctor immediately.
- **After skin contact:**  
Immediately rinse with water.  
If symptoms occur, seek medical attention.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.  
Lift the eyelids occasionally while rinsing.  
See an ophthalmologist immediately.  
If possible, visit an eye clinic.
- **After swallowing:**  
Rinse out mouth.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.  
Never administer anything by mouth to an unconscious person.  
Do not induce vomiting.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically and supportively.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Full water jet
- **5.2 Special hazards arising from the substance or mixture**  
The product itself does not burn.  
Incomplete combustion can lead to the formation of toxic pyrolysis products.  
Chlorine oxides  
Chlorine (g)  
Hydrogen chloride (HCl)  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**  
Cool closed containers near the source of the fire with water spray. heating leads to an increase in pressure - risk of bursting. collect contaminated extinguishing water separately, must not enter the sewage system.
- **Protective equipment:**  
Mouth respiratory protective device.  
Wear suitable protective clothing (full protective suit).  
Wear self-contained respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Use personal protective equipment.  
Keep unprotected persons away.  
Do not inhale vapour.  
Ensure adequate ventilation

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*Particular danger of slipping on leaked/spilled product.*

*Mount respiratory protective device.*

*Wear protective equipment. Keep unprotected persons away.*

**· 6.2 Environmental precautions:**

*Avoid penetration into the substrate.*

*Do not allow to enter sewers/ surface or ground water.*

*In case of penetration into the soil, inform the responsible authority.*

*Inform respective authorities in case of seepage into water course or sewage system.*

**· 6.3 Methods and material for containment and cleaning up:**

*Take up leaking material with non-combustible, absorbent material (e.g. sand, diatomaceous earth).*

*Use neutralising agent.*

*Dispose of in suitable containers.*

*Do not seal the container gas-tight.*

*Ensure adequate ventilation.*

*Dispose contaminated material as waste according to section 13.*

**· 6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

\*

## **SECTION 7: Handling and storage**

**· 7.1 Precautions for safe handling**

*Do not get in the eyes, in the mouth or on the skin.*

*Do not inhale vapours and spray mist.*

*If vapours and aerosols are present, use a respirator with a suitable filter.*

*Do not seal receptacles gas-tight.*

*Open and handle container with care.*

*Keep away from heat and direct sunlight.*

*Ensure adequate ventilation.*

*Use personal protective equipment.*

*Emergency eye showers should be available in the immediate vicinity.*

*Ensure good ventilation/exhaustion at the workplace.*

*Prevent formation of aerosols.*

**· Information about fire - and explosion protection:**

*The product is not flammable.*

*Usual measures of preventive fire protection.*

*Keep respiratory protective device available.*

**· Handling:**

*Keep away from food, drink and animal feed.*

*Do not eat, drink or smoke in the application area.*

*Wash hands before breaks and at the end of work.*

*Remove contaminated clothing immediately.*

**· 7.2 Conditions for safe storage, including any incompatibilities**

**· Storage:**

**· Requirements to be met by storerooms and receptacles:**

*Store in a place with an alkali-proof floor.*

*Unsuitable container materials: iron; copper; aluminium; stainless steel.*

*Suitable container materials: polyethylene; polyvinyl chloride.*

*Provide ventilation for receptacles.*

*Store only in the original receptacle.*

**· Information about storage in one common storage facility:**

*Do not store together with ammonium salts.*

*Do not store together with acids.*

**· Further information about storage conditions:**

*Store receptacle in a well ventilated area.*

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- Protect contents from exposure to light.
- **Storage class:** 8 B
- **7.3 Specific end use(s)** Biocidal product

## **SECTION 8: Exposure controls/personal protection**

### · **8.1 Control parameters**

#### · **DNELs**

##### **CAS: 7681-52-9 sodium hypochlorite, solution**

Oral	DNEL oral	0,26 mg/kg bw/day (general population) Long term exposure - repeated dose toxicity
Inhalative	DNEL inhalativ	1,55 mg/m <sup>3</sup> (general population) Long term exposure - repeated dose toxicity 1,55 mg/m <sup>3</sup> (worker) Long term exposure - repeated dose toxicity

##### **CAS: 1310-73-2 sodium hydroxide**

Inhalative	DNEL inhalativ	1 mg/m <sup>3</sup> (general population) Mögliche Gesundheitsschäden: Langzeit - lokale Effekte 1 mg/m <sup>3</sup> (worker) Mögliche Gesundheitsschäden: Langzeit - lokale Effekte
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- **Additional information:** The lists valid during the making were used as basis.

### · **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**

#### · **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

#### · **Respiratory protection:**

- If vapours and aerosols are present, use a respirator with a suitable filter.
- Respiratory protection according to EN141.
- Recommended filter type:

Filter B-P2

Filter B-P3

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### · **Hand protection**



Protective gloves

according to EN374.

Observe the manufacturer's instructions with regard to permeability and breakthrough time as well as the special conditions at the workplace (mechanical stress, duration of contact).

Protective gloves should be replaced at the first sign of wear.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · **Material of gloves**

Butyl rubber, recommended material thickness:  $\geq 0.5$  mm, breakthrough time:  $\geq 480$  min.

Polyvinyl chloride, recommended material thickness:  $\geq 0.5$  mm, breakthrough time:  $\geq 480$  min.

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Polychloroprene, recommended material thickness:  $\geq 0.5$  mm, breakthrough time:  $\geq 480$  min.

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:** Alkaline resistant protective clothing

· **Environmental exposure controls**

Do not allow to enter surface water or sewage system.

Avoid penetration into the subsoil.

In the event of contamination of water bodies, sewage systems and/or ingress into the ground, inform the relevant authorities.

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Yellowish

· **Odour:**

Like chlorine

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

ca. -30- -20 °C (13-16%ige Lösung)

· **Boiling point or initial boiling point and boiling range**

ca. 100 °C (13-16%ige Lösung)

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable.

· **Decomposition temperature:**

>111 °C

· **pH (1000 g/l) at 20 °C**

12-13

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic at 20 °C:**

3-4 mPas (13-16%ige Lösung)

· **Solubility**

· **water:**

Fully miscible.

· **Partition coefficient n-octanol/water (log value) at 20 °C**

-3,42 log POW

· **Vapour pressure at 20 °C:**

20 hPa (13-16%ige Lösung)

· **Density and/or relative density**

· **Density at 20 °C:**

1,22-1,26 g/cm<sup>3</sup>

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

· **9.2 Other information**

· **Appearance:**

Fluid

· **Form:**

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- |  |   |
|--|---|
| · <b>Important information on protection of health and environment, and on safety.</b> |   |
| · <b>Ignition temperature:</b>   | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>   | Product does not present an explosion hazard. |
| · <b>Solvent content:</b>  |   |
| · <b>Water:</b>  | 87,0 %  |
| · <b>VOC (EC)</b>  | 0,00 %  |
| · <b>Change in condition</b>   |   |
| · <b>Evaporation rate</b>  | Not determined.                               |
- 
- |  |                             |
|--|-----------------------------|
| · <b>Information with regard to physical hazard classes</b>                        |                             |
| · <b>Explosives</b>  | Void                        |
| · <b>Flammable gases</b>   | Void                        |
| · <b>Aerosols</b>  | Void                        |
| · <b>Oxidising gases</b>   | Void                        |
| · <b>Gases under pressure</b>  | Void                        |
| · <b>Flammable liquids</b>   | Void                        |
| · <b>Flammable solids</b>  | Void                        |
| · <b>Self-reactive substances and mixtures</b>                                     | Void                        |
| · <b>Pyrophoric liquids</b>  | Void                        |
| · <b>Pyrophoric solids</b>   | Void                        |
| · <b>Self-heating substances and mixtures</b>                                      | Void                        |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void                        |
| · <b>Oxidising liquids</b>   | Void                        |
| · <b>Oxidising solids</b>  | Void                        |
| · <b>Organic peroxides</b>   | Void                        |
| · <b>Corrosive to metals</b>   | May be corrosive to metals. |
| · <b>Desensitised explosives</b>   | Void                        |

\*

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** Develops toxic gases on contact with acid.
- **10.2 Chemical stability**  
 Decomposes when exposed to light.  
 Decomposes when heated.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
 May be corrosive to metals.  
 Contact with acids releases toxic gases.
- **10.4 Conditions to avoid** Heat
- **10.5 Incompatible materials:**  
 Substances to avoid: Acids, ammonium compounds, acetic anhydride, organic materials, hydrogen peroxide, metal salts, copper, nickel, iron.
- **10.6 Hazardous decomposition products:**  
 Hydrogen chloride gas  
 Chlorine  
 Hydrogen chloride (HCl)  
 Chlorine oxides

\*

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· **LD/LC50 values relevant for classification:**

**CAS: 7681-52-9 sodium hypochlorite, solution**

Oral	LD50	1.100 mg/kg (mouse)
Dermal	LD50	>2.000 mg/kg (rabbit)
Inhalative	LC50/4 h	>10,5 mg/l (rat)

**CAS: 1310-73-2 sodium hydroxide**

Oral	LD50	2.000 mg/kg (rat)
------	------	-------------------

· **Primary irritant effect:**

· **Skin corrosion/irritation** Causes severe skin burns and eye damage.

· **Serious eye damage/irritation** Causes serious eye damage.

· **Respiratory or 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.

· **Additional toxicological information:**

If swallowed, strong corrosive effect on the mouth and throat and risk of perforation of the oesophagus and stomach.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 7681-52-9 sodium hypochlorite, solution**

EC50	0,141 mg/L (daphnia)
LC50/96h	0,06 mg/l (fish)
NOEC	0,0021 mg/l / 7 days (algae)
	0,04 mg/l / 28 days (fish)

**CAS: 1310-73-2 sodium hydroxide**

LC50 / 48h	133-189 mg/l (fish)
EC50	>100 mg/L (daphnia)
LC50/96h	99 mg/l (fish)

· **12.2 Persistence and degradability**

The product can be degraded by abiotic, e.g. chemical or photolytic processes. Decomposition by hydrolysis. Aquatic half-life < 1 day

· **12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

· **Other information:** The product is mobile in an aqueous environment.

· **12.4 Mobility in soil** Highly mobile in soils.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Remark:**

Very toxic for fish

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Toxic for fish

**Additional ecological information:**
**General notes:**
*Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water*
*Do not allow product to reach ground water, water course or sewage system.*
*Must not reach sewage water or drainage ditch undiluted or unneutralised.*
*Danger to drinking water if even small quantities leak into the ground.*
*Also poisonous for fish and plankton in water bodies.*
*Very toxic for aquatic organisms*
*Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.*

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**
*Special disposal in accordance with local legal regulations is required.*
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
**European waste catalogue**

06 02 05*	other bases
HP8	Corrosive
HP12	Release of an acute toxic gas
HP14	Ecotoxic

**Uncleaned packaging:**
*Contaminated packaging should be emptied optimally and can then be recycled after appropriate cleaning.*
*Packaging that cannot be cleaned must be disposed of in the same way as the substance.*
**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water

### SECTION 14: Transport information

**14.1 UN number or ID number**
**ADR, IMDG, IATA**

UN1791

**14.2 UN proper shipping name**
**ADR**

 1791 HYPOCHLORITE SOLUTION,  
ENVIRONMENTALLY HAZARDOUS

**IMDG**

 HYPOCHLORITE SOLUTION (sodium hypochlorite,  
solution), MARINE POLLUTANT

**IATA**

HYPOCHLORITE SOLUTION

**14.3 Transport hazard class(es)**
**ADR, IMDG**

**Class**

8 Corrosive substances.

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· <b>Label</b>	8
· <b>IATA</b>	
	
· <b>Class</b>	8 Corrosive substances.
· <b>Label</b>	8
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	II
· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: sodium hypochlorite, solution
· <b>Marine pollutant:</b>	Symbol (fish and tree)
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Corrosive substances.
· <b>Hazard identification number (Kemler code):</b>	80
· <b>EMS Number:</b>	F-A,S-B
· <b>Segregation groups</b>	(SGG8) Hypochlorites
· <b>Stowage Category</b>	B
· <b>Segregation Code</b>	SG20 Stow "away from" SGG1-acids
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1791 HYPOCHLORITE SOLUTION, 8, II, ENVIRONMENTALLY HAZARDOUS

\*

### SECTION 15: Regulatory information

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

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05 GHS09

· **Signal word** Danger

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· **Hazard-determining components of labelling:**

sodium hypochlorite, solution

· **Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P102 Keep out of reach of children.

P234 Keep only in original packaging.

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

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

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call a POISON CENTER/doctor.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category E1** Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:**

The intended and professional use of this substance for drinking water treatment, surface water remediation or waste water treatment is not restricted by this classification.

Water hazard class 2 (Self-assessment): hazardous for water.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

Printing date 16.01.2025

Version number 5 (replaces version 4)

Revision: 16.01.2025

**Trade name: BWT BENAMIN Sporex**

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### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

*This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.*

#### · Relevant phrases

H290 May be corrosive to metals.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 EUH031 Contact with acids liberates toxic gas.

· **Date of previous version:** 18.12.2024

· **Version number of previous version:** 4

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 DNEL: Derived No-Effect Level (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Met. Corr. 1: Corrosive to metals – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Corr. 1A: Skin corrosion/irritation – Category 1A  
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **\* Data compared to the previous version altered.**

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