## SECTION 1. IDENTIFICATION

**Product identifier**
Trade name : ALGIMYCIN 2000

**Recommended use of the chemical and restrictions on use**
Use of the Substance/Mixture : Pesticide

| **Details of the supplier of the safety data sheet** | **Emergency telephone** |
|---|---|
| Innovative Water Care, LLC D/B/A GLB Pool & Spa<br>500 Hercules Road<br>Wilmington, Delaware 19808<br>United States of America (USA)<br><br>HazardCommunication@solenis.com | 1-800-654-6911 (Outside the USA:1-423-780-2970)<br><br>**Product Information**<br>1-800-511-6737 (Outside the USA:1-423-780-2347) |

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

**GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

**Other hazards**

Material can create slippery conditions.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No. | Classification | Concentration (%) |
|---|---|---|---|
| Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride] | 31512-74-0 | Acute Tox. 4; H302 | >= 15 - < 20 |

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

| | | |
|---|---|---|
| General advice | : | No hazards which require special first aid measures. |
| If inhaled | : | If breathed in, move person into fresh air.<br>If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician. |
| In case of skin contact | : | First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. |
| In case of eye contact | : | Remove contact lenses.<br>Protect unharmed eye. |
| If swallowed | : | Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : | No symptoms known or expected. |
| Notes to physician | : | No hazards which require special first aid measures. |

## SECTION 5. FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray<br>Foam<br>Carbon dioxide (CO2)<br>Dry chemical |
| Specific hazards during fire fighting | : | If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.<br>Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : | Carbon monoxide<br>Carbon dioxide (CO2)<br>Ammonia<br>hydrogen chloride<br>nitrogen oxides (NOx) |

| | | |
|---|---|---|
| Specific extinguishing methods | : | Product is compatible with standard fire-fighting agents. |
| Further information | : | Material can create slippery conditions.<br>Water may cause extremely slippery conditions.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Material can create slippery conditions.<br>Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.<br>Comply with all applicable federal, state, and local regulations. |
| Environmental precautions | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : | For small spills, quickly contain and remove the spilled material using absorbent pads, socks, kitty litter, sawdust etc, then appropriately dispose. Do not leave absorbents to sit overnight, as they will become hard and difficult to remove. The remaining residue or film can be treated with dilute caustic (2%) or dilute liquid bleach (2–5%), allowed to soak for up to one hour, and clean with warm water (between 49C – 54C (120F – 130 F)) or flushed to a sewer using high volumes of water taking into account local guidelines.<br>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection. |
| Advice on safe handling | : | Avoid spillage on floor as the product can become very slippery.<br>Container hazardous when empty.<br>Smoking, eating and drinking should be prohibited in the application area.<br>For personal protection see section 8. |

| | | |
|---|---|---|
| Conditions for safe storage | : | Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid | : | No materials to be especially mentioned. |
| Further information on storage stability | : | No decomposition if stored and applied as directed. |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

| | | |
|---|---|---|
| **Appropriate engineering controls** | : | General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. |

**Personal protective equipment**

| | | |
|---|---|---|
| Respiratory protection | : | No personal respiratory protective equipment normally required. |
| Eye protection | : | Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes. |
| Skin and body protection | : | Wear as appropriate:<br>Safety shoes<br>Wear resistant gloves (consult your safety equipment supplier). |
| Hygiene measures | : | General industrial hygiene practice. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | liquid |
| Color | : | tan |
| Odor | : | No data available |
| Odor Threshold | : | No data available |

| | | |
|---|---|---|
| pH | : | 6.0 - 8.0 |
| Melting point/freezing point | : | Not applicable |
| Initial boiling point and boiling range | : | 212 °F / 100 °C |
| Flash point | : | > 199 °F / > 93 °C |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Self-ignition | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapor pressure | : | No data available |
| Relative vapor density | : | No data available |
| Relative density | : | 1.0 - 1.2 (68 °F / 20 °C) |
| Density | : | No data available |
| Solubility(ies) | | |
| Water solubility | : | soluble |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | No data available |
| Oxidizing properties | : | No data available |
| Particle characteristics | | |
| Particle size | : | No data available |
| Particle Size Distribution | : | No data available |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No decomposition if stored and applied as directed. |
| Chemical stability | : | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : | Product will not undergo hazardous polymerization. |
| Conditions to avoid | : | excessive heat<br>Protect from frost.<br>Heat, flames and sparks.<br>Exposure to moisture. |
| Incompatible materials | : | aluminum<br>anionic materials<br>Copper<br>Iron<br>strong mineral acids<br>Strong oxidizing agents |
| Hazardous decomposition products | : | No hazardous decomposition products are known. |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified due to lack of data.

**Components:**

**Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 1,850 mg/kg |
| Acute dermal toxicity | : | LD50 (Rabbit): > 2,000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity |

**Skin corrosion/irritation**

Not classified due to lack of data.

**Components:**

**Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]:**

| | | |
|---|---|---|
| Result | : | Not irritating to skin |

**Serious eye damage/eye irritation**

Not classified due to lack of data.

**Product:**

Remarks : Unlikely to cause eye irritation or injury.

**Components:**

**Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]:**

Result : Mildly irritating to eyes

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified due to lack of data.

**Respiratory sensitization**

Not classified due to lack of data.

**Germ cell mutagenicity**

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT-single exposure**

Not classified due to lack of data.

**STOT-repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

**Further information**

**Product:**

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Acute aquatic toxicity Category 2; Toxic to aquatic life.

Chronic aquatic toxicity : Chronic aquatic toxicity Category 2; Toxic to aquatic life with long lasting effects.

**Components:**

**Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.041 - 0.048 mg/l
Exposure time: 48 h
Method: Static
Remarks: Mortality

Toxicity to daphnia and other aquatic invertebrates : LC 50 (Water flea (Ceriodaphnia dubia)): > 2 - < 3 mg/l
Exposure time: 48 h
Method: Renewal
Remarks: Mortality

**Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**
Not regulated as a dangerous good

**IMDG-Code**
Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable for product as supplied.

**Domestic regulation**

**49 CFR**
Not regulated as a dangerous good

**Special precautions for user**
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
49CFR: Material is not regulated for ground transportation within the US if shipped in non-bulk packages. Material is not regulated as a marine pollutant for ground transportation within the US if shipped in non-bulk packages (reference 49CFR 171.4(c)).

## SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**
This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Massachusetts Right To Know**

| | |
|---|---|
| QUARTZ / SAND | 14808-60-7 |

**Pennsylvania Right To Know**

| | |
|---|---|
| WATER | 7732-18-5 |
| Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride] | 31512-74-0 |
| Poly(diallyldimethylammonium chloride) | 26062-79-3 |

**New Jersey Right To Know**

| | |
|---|---|
| WATER | 7732-18-5 |
| Poly[oxythylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride] | 31512-74-0 |
| Poly(diallyldimethylammonium chloride) | 26062-79-3 |

**California Prop. 65**

Proposition 65 warnings are not required for this product based on the results of a risk assessment performed on the product as delivered and when used as intended.

**The ingredients of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TCSI | : | On the inventory, or in compliance with the inventory |
| TSCA | : | Exempt |
| AIIC | : | Not in compliance with the inventory |
| DSL | : | On the inventory, or in compliance with the inventory |
| ENCS | : | Not in compliance with the inventory |
| KECI | : | On the inventory, or in compliance with the inventory |
| PICCS | : | Not in compliance with the inventory |
| IECSC | : | On the inventory, or in compliance with the inventory |

**TSCA list**

Exempt- This product is exempt from Significant New Use Rule requirements. See information under Biocides for product registration information."

Exempt-This product is exempt from TSCA 12(b) requirements. See information under Biocides for product registration information."

**Biocides**

EPA Reg. # 7364-81

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution., Harmful if swallowed, inhaled or absorbed through the skin., Causes moderate eye irritation.

## SECTION 16. OTHER INFORMATION

**Further information**

Revision Date : 03/09/2026

**Full text of H-Statements**

H302 : Harmful if swallowed.

**Full text of other abbreviations**

Acute Tox. : Acute toxicity

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization

Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet
Key literature references and sources of data
SOLENIS Internal data
SOLENIS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

US / EN

## SECTION 1. IDENTIFICATION

**Product identifier**
Trade name : GLB OXY BRITE

**Recommended use of the chemical and restrictions on use**
Use of the Substance/Mixture : adjuvant

| **Details of the supplier of the safety data sheet** | **Emergency telephone number** |
|---|---|
| Innovative Water Care, LLC D/B/A GLB Pool & Spa<br>1400 Bluegrass Lakes Parkway<br>Alpharetta, GA 30004<br>United States of America (USA)<br><br>EHSProductSafetyTeam@solenis.com | 1-800-654-6911 (Outside the USA:1-423-780-2970)<br><br>**Product Information**<br>1-800-511-6737 (Outside the USA:1-423-780-2347) |

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

| | | |
|---|---|---|
| Skin corrosion | : | Category 1 |
| Serious eye damage | : | Category 1 |
| Respiratory sensitisation | : | Category 1 |
| Skin sensitisation | : | Category 1 |
| Reproductive toxicity | : | Category 1B |
| Specific target organ toxicity - single exposure | : | Category 3 (Respiratory system) |

**GHS label elements**
Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H360FD May damage fertility. May damage the unborn child.

Precautionary statements :

**Prevention:**

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P285 In case of inadequate ventilation wear respiratory protection.

**Response:**

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/ shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
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/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P363 Wash contaminated clothing before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No. | Classification | Concentration (%) |
|---|---|---|---|
| POTASSIUM PEROXYMONOSULFATE | 10058-23-8 | Ox. Sol. 1; H271<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318 | >= 40 - < 50 |
| SULFURIC ACID MONOPOTASSIUM | 7646-93-7 | Skin Corr. 1A; H314<br>Eye Dam. 1; H318<br>STOT SE 3; H335 | >= 20 - < 30 |
| POTASSIUM PERSULFATE | 7727-21-1 | Ox. Sol. 3; H272<br>Acute Tox. 4; H302<br>Resp. Sens. 1; H334<br>Skin Sens. 1B; H317 | >= 1.5 - < 5 |
| BORATES, TETRA SODIUM SALTS, PENTAHYDRATE | 12179-04-3 | Repr. 1B; H360FD | >= 1.5 - < 5 |
| MAGNESIUM CARBONATE | 546-93-0 | This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012). | >= 1.5 - < 5 |

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled : Move to fresh air.
Call a physician or poison control centre immediately.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.

| | | |
|---|---|---|
| | | Remove contact lenses.<br>Protect unharmed eye. |
| If swallowed | : | Get medical attention immediately.<br>Do NOT induce vomiting.<br>Rinse mouth with water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : | No symptoms known or expected.<br>May cause an allergic skin reaction.<br>Causes serious eye damage.<br>May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br>May cause respiratory irritation.<br>May damage fertility. May damage the unborn child.<br>Causes severe burns. |
| Notes to physician | : | No hazards which require special first aid measures. |

## SECTION 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray<br>Foam |
| Unsuitable extinguishing media | : | High volume water jet |
| Specific hazards during firefighting | : | Do not allow run-off from fire fighting to enter drains or water courses.<br><br>Organic dusts at sufficient concentration can form explosive mixtures in air. |
| Hazardous combustion products | : | sulfur oxides<br>acid vapors<br>Nitrogen oxides (NOx)<br>Carbon monoxide<br>Carbon dioxide (CO2)<br>metal oxides |
| Specific extinguishing methods | : | Product is compatible with standard fire-fighting agents. |
| Further information | : | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Avoid dust formation.<br>Avoid breathing dust.<br>Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.<br>Comply with all applicable federal, state, and local regulations. |
| Environmental precautions | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : | Keep in suitable, closed containers for disposal. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Avoid dust formation.<br>Take measures to prevent the build up of electrostatic charge.<br>Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling | : | Avoid dust formation.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Do not breathe vapours/dust.<br>Do not smoke.<br>When diluting, always add the product to water. Never add water to the product.<br>Container hazardous when empty.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>Smoking, eating and drinking should be prohibited in the application area.<br>For personal protection see section 8.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : | Keep container tightly closed in a dry and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Observe label precautions.<br>No smoking.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Further information on storage stability | : | No decomposition if stored and applied as directed. |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| POTASSIUM PERSULFATE | 7727-21-1 | TWA | 0.1 mg/m3 (Persulphate) | ACGIH |
| BORATES, TETRA SODIUM SALTS, PENTAHYDRATE | 12179-04-3 | TWA | 1 mg/m3 | NIOSH REL |
| | | TWA | 10 mg/m3 | OSHA P0 |
| | | TWA (Inhalable particulate matter) | 2 mg/m3 (Borate) | ACGIH |
| | | STEL (Inhalable particulate matter) | 6 mg/m3 (Borate) | ACGIH |
| MAGNESIUM CARBONATE | 546-93-0 | TWA (Respirable) | 5 mg/m3 | NIOSH REL |
| | | TWA (total) | 10 mg/m3 | NIOSH REL |
| | | TWA (total dust) | 15 mg/m3 | OSHA Z-1 |
| | | TWA (respirable fraction) | 5 mg/m3 | OSHA Z-1 |
| | | TWA (Total dust) | 15 mg/m3 | OSHA P0 |
| | | TWA (respirable dust fraction) | 5 mg/m3 | OSHA P0 |

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust is formed.

**Personal protective equipment**

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
Dust safety masks are recommended when the dust concentration is more than 10 mg/m3.

Hand protection

| | | |
|---|---|---|
| Remarks | : | The suitability for a specific workplace should be discussed with the producers of the protective gloves. |
| Eye protection | : | Wear chemical splash goggles and face shield to protect eyes and skin from airborne dust.<br>Maintain eye wash station in immediate work area. |
| Skin and body protection | : | Wear as appropriate:<br>Chemical resistant apron<br>Safety shoes<br>Dust impervious protective suit<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.<br>Wear resistant gloves (consult your safety equipment supplier).<br>Discard gloves that show tears, pinholes, or signs of wear. |
| Hygiene measures | : | Avoid breathing dust.<br>Wash hands before breaks and at the end of workday.<br>When using do not eat or drink.<br>Ensure that eyewash stations and safety showers are close to the workstation location.<br>When using do not smoke. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | granular |
| Colour | : | purple |
| Odour | : | odourless |
| Odour Threshold | : | No data available |
| pH | : | 1.43<br>Concentration: 10 %<br>Solution |
| Melting point/freezing point | : | No data available |
| Boiling point/boiling range | : | No data available |
| Flash point | : | Not applicable |
| Evaporation rate | : | Not applicable |
| Flammability (solid, gas) | : | Not combustible Dust |

| | | |
|---|---|---|
| Self-ignition | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density | : | Not applicable |
| Relative density | : | 1.2 (68 °F / 20 °C) |
| Density | : | No data available |
| Solubility(ies) | | |
| Water solubility | : | 250 g/l (68 °F / 20 °C) |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Decomposition temperature | : | No data available |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | No data available |
| Oxidizing properties | : | The substance or mixture is not classified as oxidizing. |
| Particle size | : | No data available |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No decomposition if stored and applied as directed. |
| Chemical stability | : | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : | Product will not undergo hazardous polymerization.<br>NFPA Oxidizer Class: Meets the criteria of an NFPA Class 1 Oxidizer. |
| Conditions to avoid | : | heat<br>Exposure to moisture<br><br>Keep away from heat, flame, sparks and other ignition sources. |
| Incompatible materials | : | Acids |

Alkali metals
alkalis
ammonium salts
aluminum
Combustible material
Copper
Copper alloys
formaldehyde-like
halogens
Iron
Lead
lead alloys
magnesium
metal hydrides
metallic mercury
Organic materials
oxidizable substances
Powdered metals
Reducing agents

Hazardous decomposition products : Sulphur oxides
Nitrogen oxides (NOx)
toxic fumes
Carbon monoxide
Carbon dioxide (CO2)
Metal oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified based on available information.

**Components:**

**SULFURIC ACID MONOPOTASSIUM:**

Acute inhalation toxicity : Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**POTASSIUM PERSULFATE:**

Acute oral toxicity : LD50 (Rat): 1,130 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC 50 (Rat, male): > 42.9 mg/l
Exposure time: 1 h
Test atmosphere: dust/mist
Remarks: Aerosol

Acute dermal toxicity : LD50 (Rabbit): > 10 g/kg

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): 3,200 - 3,400 mg/kg |
| Acute inhalation toxicity | : | LC50 (Rat): > 2.0 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Assessment: Not classified as acutely toxic by inhalation under GHS. |

**MAGNESIUM CARBONATE:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD50 (Rat): > 2,000 mg/kg<br>Method: OECD Test Guideline 420<br>Assessment: No adverse effect has been observed in acute oral toxicity tests. |

**Skin corrosion/irritation**

Causes severe burns.

**Product:**

| | | |
|---|---|---|
| Remarks | : | May cause skin irritation in susceptible persons.<br>Causes severe skin burns and eye damage. |

**Components:**

**POTASSIUM PEROXYMONOSULFATE:**

| | | |
|---|---|---|
| Result | : | Causes burns. |

**SULFURIC ACID MONOPOTASSIUM:**

| | | |
|---|---|---|
| Result | : | Corrosive |

**POTASSIUM PERSULFATE:**

| | | |
|---|---|---|
| Species | : | Rabbit |
| Result | : | Not irritating to skin |

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Result | : | Not irritating to skin |

**MAGNESIUM CARBONATE:**

| | | |
|---|---|---|
| Result | : | Mildly irritating to skin |

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

| | | |
|---|---|---|
| Remarks | : | May cause irreversible eye damage. |

**Components:**

**POTASSIUM PEROXYMONOSULFATE:**

Result : Risk of serious damage to eyes.

**SULFURIC ACID MONOPOTASSIUM:**

Result : Corrosive to eyes

**POTASSIUM PERSULFATE:**

Result : Slightly irritating to eyes

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

Species : Rabbit
Result : Mildly irritating to eyes

**MAGNESIUM CARBONATE:**

Result : Mildly irritating to eyes

**Respiratory or skin sensitisation**

**Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Product:**

Remarks : May cause allergic skin reaction.

**Components:**

**POTASSIUM PERSULFATE:**

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

May damage fertility. May damage the unborn child.

**Components:**

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Reproductive toxicity - Assessment | : | Clear evidence of adverse effects on sexual function and fertility, based on animal experiments., Clear evidence of adverse effects on development, based on animal experiments. |

**STOT - single exposure**

May cause respiratory irritation.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

| | | |
|---|---|---|
| Remarks | : | No data available |

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

| | | |
|---|---|---|
| Acute aquatic toxicity | : | Not classified based on available information. |
| Chronic aquatic toxicity | : | Not classified based on available information. |

**Components:**

**POTASSIUM PERSULFATE:**

| | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 76.3 mg/l<br>Exposure time: 96 h<br>Test Type: static test<br>Remarks: Information given is based on data obtained from similar substances. |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia (water flea)): 133 mg/l<br>Exposure time: 48 h<br>Test Type: static test |

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Remarks: Information refers to the main component. |
| Toxicity to algae/aquatic plants | : | NOEC (Selenastrum capricornutum (green algae)): 118 mg/l<br>End point: Growth inhibition<br>Exposure time: 72 h<br>Remarks: Information refers to the main component. |
| Toxicity to fish (Chronic toxicity) | : | NOEC (Danio rerio (zebra fish)): 37.7 mg/l<br>Exposure time: 34 d<br>Remarks: Information refers to the main component. |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia (water flea)): 40 mg/l<br>Exposure time: 21 d<br>Remarks: Information refers to the main component. |

**Persistence and degradability**

**Components:**

**POTASSIUM PERSULFATE:**

| | | |
|---|---|---|
| Biodegradability | : | Result: The methods for determining biodegradability are not applicable to inorganic substances. |

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Biodegradability | : | Remarks: The methods for determining biodegradability are not applicable to inorganic substances. |

**MAGNESIUM CARBONATE:**

| | | |
|---|---|---|
| Biodegradability | : | Result: The methods for determining biodegradability are not applicable to inorganic substances. |

**Bioaccumulative potential**

**Components:**

**BORATES, TETRA SODIUM SALTS, PENTAHYDRATE:**

| | | |
|---|---|---|
| Bioaccumulation | : | Remarks: Does not bioaccumulate. |

**MAGNESIUM CARBONATE:**

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | Remarks: Not applicable |

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

| | | |
|---|---|---|
| Additional ecological information | : | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.<br>Toxic to aquatic life.<br>Harmful to aquatic life with long lasting effects. |

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

| | | |
|---|---|---|
| Waste from residues | : | The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company.<br><br>Dispose of in accordance with all applicable local, state and federal regulations. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>Do not re-use empty containers. |

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**

| | | |
|---|---|---|
| UN number | : | UN 3260 |
| Proper shipping name | : | Corrosive solid, acidic, inorganic, n.o.s. (POTASSIUM HYDROGENPEROXOMONOSULPHATE) |
| Class | : | 8 |
| Packing group | : | II |
| Packing instruction (cargo aircraft) | : | 863 |
| Packing instruction (passenger aircraft) | : | 859 |

**IMDG-Code**

| | | |
|---|---|---|
| UN number | : | UN 3260 |
| Proper shipping name | : | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENPEROXOMONOSULPHATE) |
| Class | : | 8 |
| Packing group | : | II |
| EmS Code | : | F-A, S-B |
| Marine pollutant | : | no |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

**49 CFR**

| | | |
|---|---|---|
| UN number | : | UN 3260 |
| Proper shipping name | : | Corrosive solid, acidic, inorganic, n.o.s. (POTASSIUM HYDROGENPEROXOMONOSULPHATE) |
| Class | : | 8 |
| Packing group | : | II |
| ERG Code | : | 154 |
| Marine pollutant | : | no |

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.
49CFR/IMDG: Packages with inner packaging less than 1L or 1kg and gross weight under 30kg may ship under the Limited Quantity Exception.

## SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Respiratory or skin sensitization
Reproductive toxicity
Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Massachusetts Right To Know**

| | |
|---|---|
| dipotassium peroxodisulphate | 7727-21-1 |
| disodium tetraborate pentahydrate | 12179-04-3 |
| MAGNESIUM CARBONATE | 546-93-0 |

**Pennsylvania Right To Know**

| | |
|---|---|
| POTASSIUM PEROXYMONOSULFATE | 10058-23-8 |
| POTASSIUM SULFATE | 7778-80-5 |
| potassium hydrogensulphate | 7646-93-7 |

| | |
|---|---|
| dipotassium peroxodisulphate | 7727-21-1 |

**New Jersey Right To Know**

| | |
|---|---|
| POTASSIUM PEROXYMONOSULFATE | 10058-23-8 |
| POTASSIUM SULFATE | 7778-80-5 |
| potassium hydrogensulphate | 7646-93-7 |
| dipotassium peroxodisulphate | 7727-21-1 |
| disodium tetraborate pentahydrate | 12179-04-3 |
| MAGNESIUM CARBONATE | 546-93-0 |

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TCSI | : | On the inventory, or in compliance with the inventory |
| TSCA | : | All substances listed as active on the TSCA inventory |
| AIIC | : | All components are listed on the inventory, regulatory obligations/restrictions apply |
| DSL | : | All components of this product are on the Canadian DSL |
| ENCS | : | On the inventory, or in compliance with the inventory |
| KECI | : | Not in compliance with the inventory |
| PICCS | : | On the inventory, or in compliance with the inventory |
| IECSC | : | On the inventory, or in compliance with the inventory |

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

**Further information**

| | | |
|---|---|---|
| Revision Date | : | 10/08/2024 |

**Full text of H-Statements**

| | | |
|---|---|---|
| H271 | : | May cause fire or explosion; strong oxidizer. |
| H272 | : | May intensify fire; oxidizer. |
| H302 | : | Harmful if swallowed. |
| H314 | : | Causes severe skin burns and eye damage. |
| H317 | : | May cause an allergic skin reaction. |
| H318 | : | Causes serious eye damage. |
| H334 | : | May cause allergy or asthma symptoms or breathing |

| | | |
|---|---|---|
| | | difficulties if inhaled. |
| H335 | : | May cause respiratory irritation. |
| H360FD | : | May damage fertility. May damage the unborn child. |

**Full text of other abbreviations**

| | | |
|---|---|---|
| Acute Tox. | : | Acute toxicity |
| Eye Dam. | : | Serious eye damage |
| Ox. Sol. | : | Oxidizing solids |
| Repr. | : | Reproductive toxicity |
| Resp. Sens. | : | Respiratory sensitisation |
| Skin Corr. | : | Skin corrosion |
| Skin Sens. | : | Skin sensitisation |
| STOT SE | : | Specific target organ toxicity - single exposure |
| ACGIH | : | USA. ACGIH Threshold Limit Values (TLV) |
| NIOSH REL | : | USA. NIOSH Recommended Exposure Limits |
| OSHA P0 | : | USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values) |
| OSHA Z-1 | : | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| NIOSH REL / TWA | : | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| OSHA P0 / TWA | : | 8-hour time weighted average |
| OSHA Z-1 / TWA | : | 8-hour time weighted average |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-

Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet
Key literature references and sources of data
SOLENIS Internal data
SOLENIS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

US / EN

## SECTION 1. IDENTIFICATION

**Product identifier**

Trade name : GLB SEQUA-SOL SEQUESTERING AGENT

**Recommended use of the chemical and restrictions on use**

Use of the Substance/Mixture : Water treatment chemical

| **Details of the supplier of the safety data sheet** | **Emergency telephone** |
|---|---|
| Innovative Water Care, LLC<br>500 Hercules Road<br>Wilmington, Delaware 19808<br>United States of America (USA)<br><br>EHSProductSafetyTeam@solenis.com | 1-800-654-6911 (Outside the USA:1-423-780-2970)<br><br>**Product Information**<br>1-800-511-6737 (Outside the USA:1-423-780-2347) |

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

No hazardous ingredients

## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical

advice.
If symptoms persist, call a physician.

| | | |
|---|---|---|
| In case of skin contact | : | First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. |
| In case of eye contact | : | Remove contact lenses.<br>Protect unharmed eye. |
| If swallowed | : | Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician. |
| Most important symptoms and effects, both acute and delayed | : | No symptoms known or expected. |
| Notes to physician | : | No hazards which require special first aid measures. |

## SECTION 5. FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray<br>Foam<br>Carbon dioxide (CO2)<br>Dry chemical |
| Specific hazards during fire fighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazardous combustion products | : | Carbon monoxide<br>Carbon dioxide (CO2)<br>various hydrocarbons<br>Oxides of phosphorus<br>Sodium oxides |
| Specific extinguishing methods | : | Product is compatible with standard fire-fighting agents. |
| Further information | : | Standard procedure for chemical fires. |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.<br>Comply with all applicable federal, state, and local regulations. |

| | | |
|---|---|---|
| Environmental precautions | : | Prevent further leakage or spillage if safe to do so. |
| Methods and materials for containment and cleaning up | : | Keep in suitable, closed containers for disposal. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection. |
| Advice on safe handling | : | Smoking, eating and drinking should be prohibited in the application area.<br>For personal protection see section 8. |
| Conditions for safe storage | : | Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid | : | No materials to be especially mentioned. |
| Further information on storage stability | : | No decomposition if stored and applied as directed. |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

| | | |
|---|---|---|
| **Engineering measures** | : | General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. |

**Personal protective equipment**

| | | |
|---|---|---|
| Respiratory protection | : | No personal respiratory protective equipment normally required. |
| Eye protection | : | Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes. |
| Skin and body protection | : | Wear as appropriate:<br>Safety shoes<br>Wear resistant gloves (consult your safety equipment supplier). |
| Hygiene measures | : | General industrial hygiene practice. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | liquid |
| Odor | : | No data available |
| Odor Threshold | : | No data available |
| pH | : | 6.0 - 7.0 |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | > 2,732 °F / 1,500 °C |
| Flash point | : | No data available |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Self-ignition | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapor pressure | : | No data available |
| Relative vapor density | : | No data available |
| Relative density | : | 1 (68 °F / 20 °C) |
| Density | : | Not applicable |
| Solubility(ies) | | |
| Water solubility | : | soluble |
| Solubility in other solvents | : | No data available |
| Partition coefficient: n-octanol/water | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity | | |
| Viscosity, dynamic | : | No data available |

| | | |
|---|---|---|
| Viscosity, kinematic | : | No data available |
| Oxidizing properties | : | No data available |
| Particle characteristics<br>Particle size | : | No data available |
| Particle Size Distribution | : | No data available |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No decomposition if stored and applied as directed. |
| Chemical stability | : | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : | Product will not undergo hazardous polymerization. |
| Conditions to avoid | : | excessive heat<br>Exposure to moisture. |
| Incompatible materials | : | Avoid contact with:<br>Strong oxidizing agents<br>Peroxides |
| Hazardous decomposition products | : | No hazardous decomposition products are known. |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified due to lack of data.

**Skin corrosion/irritation**

Not classified due to lack of data.

**Serious eye damage/eye irritation**

Not classified due to lack of data.

**Product:**

Remarks : Unlikely to cause eye irritation or injury.

**Respiratory or skin sensitization**

**Skin sensitization**

Not classified due to lack of data.

**Respiratory sensitization**

Not classified due to lack of data.

**Germ cell mutagenicity**

Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified due to lack of data.

**STOT-single exposure**

Not classified due to lack of data.

**STOT-repeated exposure**

Not classified due to lack of data.

**Aspiration toxicity**

Not classified due to lack of data.

**Further information**

**Product:**

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

**Product:**

Additional ecological information : No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**
Not regulated as a dangerous good

**IMDG-Code**
Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not applicable for product as supplied.

**Domestic regulation**

**49 CFR**
Not regulated as a dangerous good

**Special precautions for user**
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**
This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

| | |
|---|---|
| WATER | 7732-18-5 |
| 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, trisodium salt, dihydrate | 6132-04-3 |
| POLYPHOSPHORIC ACIDS, SODIUM SALTS | 68915-31-1 |

**New Jersey Right To Know**

| | |
|---|---|
| WATER | 7732-18-5 |
| 1,2,3-Propanetricarboxylic acid, 2-hydroxy-, trisodium salt, dihydrate | 6132-04-3 |
| POLYPHOSPHORIC ACIDS, SODIUM SALTS | 68915-31-1 |

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

AIIC : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

**Further information**

Revision Date : 04/20/2025

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet
Key literature references and sources of data
SOLENIS Internal data
SOLENIS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any

other materials or in any process, unless specified in the text. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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