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**Conforms to EU Regulation 1907/2006/EC as amended.**

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

**1.1 Product identifier**

Trade name : HTH FLOATER+

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

Use of the Substance/Mixture : Swimming Pool Sanitizer


<p><b>1.3 Details of the supplier of the safety data sheet</b>          Innovative Water Care SA Holding (Pty) Ltd          NCP Factory Site, 9 Hytor Street, Chloorkop          1624 Kempton Park          South Africa</p> <p><b>E-mail address of person responsible for the SDS:</b>          EHSProductSafetyTeam@solenis.com</p> <p><b>Product Information</b>          Contact your local Solenis representative</p>	<p><b>1.4 Emergency telephone number</b>          Europe: NCEC +44 (0)1235 239 670, Africa, and Middle East: NCEC +44 (0)1235 239 671 , or contact your local emergency telephone number at 112</p>
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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Oxidizing solids, Category 2	H272: May intensify fire; oxidizer.
Acute toxicity, Category 4	H302: Harmful if swallowed.
Skin corrosion, Sub-category 1B	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.

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Long-term (chronic) aquatic hazard,  
Category 1

H410: Very toxic to aquatic life with long lasting effects.

## 2.2 Label elements

### Classification (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H272 May intensify fire; oxidizer.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH031 Contact with acids liberates toxic gas.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P220 Keep away from clothing and other combustible materials.

P260 Do not breathe dust.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

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

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.

P370 + P378 In case of fire: Use water spray to extinguish.

P391 Collect spillage.

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**Storage:**

P405 Store locked up.

**Disposal:**

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

Hazardous components which must be listed on the label:

symclosene

troclosene sodium

ALUMINUM SULFATE

**2.3 Other hazards**


This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

**3.2 Mixtures**

**Components**

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
symclosene	87-90-1 201-782-8	Ox. Sol. 2; H272 Acute Tox. 4; H302 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 70 - < 80
troclosene sodium	2893-78-9 220-767-7	Ox. Sol. 2; H272 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 (Respiratory system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1	>= 10 - < 15
ALUMINUM SULFATE	10043-01-3 233-135-0 01-2119531538-36-xxxx	Met. Corr. 1; H290 Eye Dam. 1; H318	>= 10 - < 15

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For explanation of abbreviations see section 16.

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## SECTION 4: First aid measures

### 4.1 Description of 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.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
Wash contaminated clothing before re-use.  
If on clothes, remove clothes.
- 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.  
Protect unharmed eye.
- If swallowed : Get medical attention immediately.  
Do NOT induce vomiting.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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

- Symptoms : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:  
stomach or intestinal upset (nausea, vomiting, diarrhea)  
irritation (nose, throat, airways)
- Risks : Harmful if swallowed.  
Causes serious eye damage.  
May cause respiratory irritation.  
Causes severe burns.

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

- Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Water
- Unsuitable extinguishing media : Dry extinguishers containing ammonium compounds.

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

- Specific hazards during firefighting : May intensify fire, oxidizer.  
Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Chlorine  
nitrogen chloride  
nitrogen compounds  
toxic fumes

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water to cool containers exposed to fire.

---

## SECTION 6: Accidental release measures

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


- Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Avoid dust formation.  
Avoid breathing dust.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
Comply with all applicable federal, state, and local regulations.

### 6.2 Environmental precautions

- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

- Methods for cleaning up : Sweep up and shovel using a clean broom or shovel.  
Shovel material into clean dry containers.  
All spills of this product should be treated as contaminated.  
Contaminated product may initiate a chemical reaction that

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may spontaneously ignite any combustible material present, resulting in a fire.  
 Avoid getting spilled product wet.  
 Do not seal disposal containers tightly. Immediately remove all product in disposal containers to an isolated area outdoors.

#### 6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid dust formation.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Do not breathe vapours/dust.  
 Do not smoke.  
 Container hazardous when empty.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 Smoking, eating and drinking should be prohibited in the application area.  
 For personal protection see section 8.  
 Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Keep away from combustible material. Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : Avoid breathing dust. Wash hands before breaks and at the end of workday. When using do not eat or drink. Ensure that eyewash stations and safety showers are close to the workstation location. When using do not smoke.

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


- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Store in original container.

- Further information on storage stability : Do not store next to a heat source, in direct sunlight, or elevated temperatures. Do not store where the daily average temperature exceeds prescribed storage temperature for 7 consecutive days. Prevent ingress of humidity and moisture into container or package. Keep containers tightly closed.

#### 7.3 Specific end use(s)

- Specific use(s) : No data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
troclosene sodium	Workers	Inhalation	Long-term systemic effects	8,11 mg/m <sup>3</sup>
Remarks:	Repeated dose toxicity			
	Workers	Dermal	Long-term systemic effects	2,3 mg/kg
Remarks:	Repeated dose toxicity			
	General population	Inhalation	Long-term systemic effects	1,99 mg/m <sup>3</sup>
Remarks:	Repeated dose toxicity			
	General population	Dermal	Long-term systemic effects	1,15 mg/kg
Remarks:	Repeated dose toxicity			
	General population	Oral	Long-term systemic effects	1,15 mg/kg

### 8.2 Exposure controls

#### 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

Eye protection : Wear chemical splash goggles and face shield to protect eyes and skin from airborne dust.  
Maintain eye wash station in immediate work area.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:  
Chemical resistant apron  
Safety shoes  
Dust impervious protective suit  
Flame-resistant clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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Wear resistant gloves (consult your safety equipment supplier).  
Discard gloves that show tears, pinholes, or signs of wear.

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/m<sup>3</sup>.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : tablet

Colour : white

Odour : strong

Odour Threshold : No data available

pH : 2,8  
Concentration: 1 %

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : 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 : No data available


Relative density : No data available

Density : 0,9 - 1,2 g/ml

Solubility(ies)  
Water solubility : No data available

Solubility in other solvents : No data available



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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 : The substance or mixture is classified as oxidizing with the category 2.

## 9.2 Other information

Metal corrosion rate : Not corrosive to metals

Self-ignition : No data available

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under recommended storage conditions.  
May be unstable at temperatures above 225 Deg. C (437 Deg. F).

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

### 10.4 Conditions to avoid


Conditions to avoid : excessive heat  
Heat, flames and sparks.  
Heat

Keep away from heat, flame, sparks and other ignition sources.

### 10.5 Incompatible materials

Materials to avoid : Do not allow product to come in contact with other materials, including e.g. other pool treatment products, acids, organic materials, nitrogen-containing compounds, dry powder fire extinguishers (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials, etc. A chemical reaction with such substances can cause a fire.

If product is exposed to small amounts of water, it can react

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violently to produce heat and toxic gases and spatter.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Chlorine  
nitrogen chloride  
nitrogen compounds  
toxic fumes

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Harmful if swallowed.

#### Components:

##### **symclosene:**

Acute oral toxicity : LD50 (Rat): 490 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

##### **troclosene sodium:**

Acute oral toxicity : LD50 (Rat): 1.671 mg/kg  
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.  
Remarks: Information given is based on data obtained from similar substances.

##### **ALUMINUM SULFATE:**

Acute oral toxicity : LD50 (Rat, female): > 2.000 - < 5.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

#### **Skin corrosion/irritation**

Causes severe burns.


#### Product:

Remarks : Causes severe skin burns and eye damage.

#### Components:

##### **troclosene sodium:**

Result : Corrosive to skin

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Remarks : Information given is based on data obtained from similar substances.

**ALUMINUM SULFATE:**

Species : Rabbit  
 Result : Not irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Components:**

**symclosene:**

Species : Rabbit  
 Result : Severely irritating to eyes

**troclosene sodium:**

Result : Corrosive to eyes

**ALUMINUM SULFATE:**

Species : Rabbit  
 Method : OECD Test Guideline 405  
 Result : Corrosive to eyes

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:**

**troclosene sodium:**

Test Type : Maximisation Test  
 Species : Guinea pig  
 Method : OECD Test Guideline 406


**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**troclosene sodium:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

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Genotoxicity in vivo : Test Type: chromosome aberration assay  
Species: Rat  
Cell type: Bone marrow  
Method: OECD Test Guideline 474  
Result: negative

**ALUMINUM SULFATE:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: Ames test  
Test system: Escherichia coli  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test Type: Micronucleus test  
Test system: Human lymphocytes  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 487  
Result: negative  
GLP: yes

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**


Not classified based on available information.

**Components:**

**troclosene sodium:**

Effects on fertility : Test Type: Three-generation study  
Species: Rat  
Application Route: Oral  
Dose: 475 milligram per kilogram  
Symptoms: No effects on reproduction parameters

Effects on foetal : Species: Rabbit

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development

Application Route: Oral  
Dose: 500 milligram per kilogram  
Symptoms: No specific developmental abnormalities

**STOT - single exposure**

May cause respiratory irritation.

**Components:**

**symclosene:**

Target Organs : Respiratory Tract  
Assessment : May cause respiratory irritation.

**troclosene sodium:**

Assessment : 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**

**12.1 Toxicity**

**Components:**


**symclosene:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,23 mg/l  
End point: mortality  
Exposure time: 96 h  
GLP: yes

LC50 (Oncorhynchus mykiss (rainbow trout)): 0,24 mg/l  
End point: mortality  
Exposure time: 96 h  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,17 mg/l  
Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 1

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M-Factor (Chronic aquatic toxicity) : 1

**troclosene sodium:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,13 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,196 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Aquatic plants): 0,5 mg/l  
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

**Ecotoxicology Assessment**

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

**ALUMINUM SULFATE:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on similar product.


Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

Toxicity to microorganisms : EC50 (activated sludge): > 1.000 mg/l  
Exposure time: 180 min  
Test Type: Static  
Method: OECD Test Guideline 209  
GLP: yes  
Remarks: Based on similar product.

**12.2 Persistence and degradability**

**Components:**

**symclosene:**

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Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: 2 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301D

**troclosene sodium:**

Biodegradability : Result: Not readily biodegradable.

**ALUMINUM SULFATE:**

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

**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

**Components:**

**symclosene:**

Partition coefficient: n-octanol/water : log Pow: 0,94

**ALUMINUM SULFATE:**

Bioaccumulation : Species: Atlantic salmon (*Salmo salar*)  
 Exposure time: 60 d  
 Bioconcentration factor (BCF): 76 - 190  
 Method: Flow through

Species: Atlantic salmon (*Salmo salar*)  
 Exposure time: 45 d  
 Concentration: 0,264 mg/l  
 Bioconcentration factor (BCF): 362  
 Method: Flow through


**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

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## 12.6 Other adverse effects

### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Dispose of in accordance with local 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.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

---

## SECTION 14: Transport information

### 14.1 UN number or ID number

**ADR:** UN2468

**ADN:** UN2468

**RID:** UN2468

**IMDG-Code:** UN2468

**IATA-DGR:** UN2468

### 14.2 UN proper shipping name

**ADR:** TRICHLOROISOCYANURIC ACID, DRY

**ADN:** TRICHLOROISOCYANURIC ACID, DRY


**RID:** TRICHLOROISOCYANURIC ACID, DRY

**IMDG-Code:** TRICHLOROISOCYANURIC ACID, DRY

**IATA-DGR:** Trichloroisocyanuric acid, dry

### 14.3 Transport hazard class(es)



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**ADR:** 5.1  
**ADN:** 5.1  
**RID:** 5.1  
**IMDG-Code:** 5.1  
**IATA-DGR:** 5.1

#### 14.4 Packing group

**ADR:** II  
**ADN:** II  
**RID:** II  
**IMDG-Code:** II  
**IATA-DGR:** II

#### 14.5 Environmental hazards

**ADR:** Environmentally hazardous  
**ADN:** Not applicable  
**RID:** Environmentally hazardous  
**IMDG-Code:** Marine pollutant  
**IATA-DGR:** Not applicable

#### 14.6 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.

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

Not applicable for product as supplied.


Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable  
  
 REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable  
  
 REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P8 OXIDIZING LIQUIDS AND SOLIDS

E1 ENVIRONMENTAL HAZARDS

**Other regulations:**


Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

**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 : On the inventory, or in compliance with the inventory
- DSL : This product contains one or more components that are not on the Canadian DSL and have annual quantity limits.
  
- 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

**15.2 Chemical safety assessment**

No data available

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## SECTION 16: Other information

### Further information

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#### Classification of the mixture:

Ox. Sol. 2	H272
Acute Tox. 4	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
STOT SE 3	H335
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method


#### Full text of H-Statements

H272	: May intensify fire; oxidizer.
H290	: May be corrosive to metals.
H302	: Harmful if swallowed.
H314	: Causes severe skin burns and eye damage.
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.

#### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Met. Corr.	: Corrosive to metals
Ox. Sol.	: Oxidizing solids
Skin Corr.	: Skin corrosion
STOT SE	: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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

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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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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.

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