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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 SPARKLE IT

**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)**

Serious eye damage, Category 1                      H318: Causes serious eye damage.


**2.2 Label elements**

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

Hazard pictograms : 

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

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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:**  
P280 Wear eye protection/ face protection.  
**Response:**  
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 dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:  
Aluminiumhydroxidechloride

### 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.  
Material can create slippery conditions.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components


Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Aluminiumhydroxidechloride	1327-41-9 215-477-2 01-2119531563-43-xxxx	Eye Dam. 1; H318 Met. Corr. 1; H290	>= 10 - < 15
DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N- METHYLMETHANAMINE	42751-79-1	Aquatic Chronic 3; H412	>= 5 - < 10

For explanation of abbreviations see section 16.

## 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.

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- 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 : 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 : Obtain medical attention.  
Do NOT induce vomiting.  
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 : Causes serious eye damage.

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

- Treatment : No hazards which require special first aid measures.

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### SECTION 5: Firefighting measures


#### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during : If product is heated above its flash point it will produce vapors



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of water taking into account local guidelines.  
 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Keep in suitable, closed containers for disposal.

#### 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 spillage on floor as the product can become very slippery.  
 Do not breathe vapours/dust.  
 Container hazardous when empty.  
 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 : Normal measures for preventive fire protection.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. 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. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.


#### 7.3 Specific end use(s)

Specific use(s) : No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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## 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.

### Personal protective equipment

Eye protection : Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist.  
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:  
Impervious clothing  
Safety shoes  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Wear resistant gloves (consult your safety equipment supplier).

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : colourless

Odour : No data available

Odour Threshold : No data available

pH : 5 - 7  
Concentration: 1 %


Melting point/freezing point : No data available

Boiling point/boiling range : 100 °C

Flash point : > 93 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

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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 : 1,1 - 1,2 g/ml

Solubility(ies)

Water solubility : No data available

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

## 9.2 Other information

Metal corrosion rate : Not corrosive to metals

Self-ignition : No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability


Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Product will not undergo hazardous polymerization.

### 10.4 Conditions to avoid

Conditions to avoid : Keep away from heat, flame, sparks and other ignition

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sources.  
excessive heat  
Freezing temperatures.

### 10.5 Incompatible materials

Materials to avoid : aluminum  
Bases  
brass  
Copper  
galvanized metals  
Iron  
steel  
strong mineral acids  
Strong oxidizing agents  
Zinc

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Hydrogen chloride gas  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **Aluminiumhydroxidechloride:**

Acute oral toxicity : LD50 (Rat): 12.800 mg/kg

##### **DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

Acute oral toxicity : LD50 (Rat): 6.160 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 10.000 mg/kg

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


Not classified based on available information.

#### Components:

##### **Aluminiumhydroxidechloride:**

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Not irritating to skin



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**DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

Result : Possibly irritating to skin

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Components:**

**Aluminiumhydroxidechloride:**

Result : Corrosive to eyes

**DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

Result : Possibly irritating to eyes

Remarks : Unlikely to cause eye irritation or injury.  
Product dust may be irritating to eyes, skin and respiratory system.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.


**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Product:**

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 10 - 100 mg/l  
 Exposure time: 96 h  
 Method: OECD Test Guideline 203  
 Remarks: In natural waters, aquatic toxicity is markedly reduced, due to neutralisation of cationic charge by adsorption to particles, hydrolysis and dissolved organic carbon.
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l  
 Exposure time: 48 h  
 Method: OECD Test Guideline 202  
 Remarks: Information given is based on data obtained from similar substances.
- Toxicity to algae/aquatic plants : IC50 (Pseudokirchneriella subcapitata (green algae)): > 10 - 100 mg/l  
 Exposure time: 72 h  
 Method: OECD Test Guideline 201  
 Remarks: Information given is based on data obtained from similar substances.

### 12.2 Persistence and degradability

#### Components:

#### **DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

- Biodegradability : Result: Not readily biodegradable.  
 Biodegradation: < 70 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301B  
 Remarks: Information given is based on data obtained from similar substances.

### 12.3 Bioaccumulative potential

#### Product:


- Bioaccumulation : Remarks: The bioaccumulation potential cannot be determined.

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

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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..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : No data available

**Components:**

**DIMETHYLAMINE, POLYMER WITH EPICHLOROHYDRIN AND N-METHYLMETHANAMINE:**

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
  
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.

## SECTION 14: Transport information

### 14.1 UN number or ID number


**ADR:** Not dangerous goods

**ADN:** Not dangerous goods

**RID:** Not dangerous goods

**IMDG-Code:** Not dangerous goods

**IATA-DGR:** Not dangerous goods

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#### 14.2 UN proper shipping name

**ADR:** Not dangerous goods  
**ADN:** Not dangerous goods  
**RID:** Not dangerous goods  
**IMDG-Code:** Not dangerous goods  
**IATA-DGR:** Not dangerous goods

#### 14.3 Transport hazard class(es)

**ADR:** Not dangerous goods  
**ADN:** Not dangerous goods  
**RID:** Not dangerous goods  
**IMDG-Code:** Not dangerous goods  
**IATA-DGR:** Not dangerous goods

#### 14.4 Packing group

**ADR:** Not dangerous goods  
**ADN:** Not dangerous goods  
**RID:** Not dangerous goods  
**IMDG-Code:** Not dangerous goods  
**IATA-DGR:** Not dangerous goods

#### 14.5 Environmental hazards

**ADR:** Not applicable  
**ADN:** Not applicable  
**RID:** Not applicable  
**IMDG-Code:** Not applicable  
**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)	:	Conditions of restriction for the following entries should be considered: Number on list 3
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
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.		Not 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	:	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

### 15.2 Chemical safety assessment

No data available



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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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