

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 10/MAY/2019

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Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

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

1.2.1. Relevant identified uses

Main use category :

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

ANTARI LIGHTING AND EFFECTS LTD
8,Lane 231, Nankan, Rd, Sec.1,Luchu,Tao Yuan City,Taiwan
33859
T 03-322-5829#318 - F 03-322-0433

Importer

1.4. Emergency telephone number

Emergency number : 0933-108-913

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category H318
1

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Hazard statements (CLP) : H318 - Causes serious eye damage
Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
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 or doctor/physician

2.3. Other hazards

Other hazards not contributing to the classification : No information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|------|---|
| Water | (CAS-No.) 7732-18-5 (EC-No.) 231-791-2 | 80 | Not classified |
| D-Glucopyranose, oligomeric, decyl octyl glycosides | (CAS-No.) 68515-73-1 (EC-No.) 500-220-1 | 5 | Eye Dam. 1, H318 |
| Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt | (CAS-No.) 9004-82-4 | 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Glycerin | (CAS-No.) 56-81-5 (EC-No.) 200-289-5 | 4 | Not classified |
| Sodium gluconate | (CAS-No.) 527-07-1 (EC-No.) 208-407-7 | 3.88 | Not classified |
| 1-Dodecanamine, N,N-dimethyl-, N-oxide | (CAS-No.) 1643-20-5 (EC-No.) 216-700-6 | 2 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| Dimethylol-5,5-dimethylhydantoin | (CAS-No.) 6440-58-0 (EC-No.) 229-222-8 | 0.1 | Acute Tox. 4 (Oral), H302 |
| 3(2H)-Isothiazolone, 2-methyl- | (CAS-No.) 2682-20-4 (EC-No.) 220-239-6 | 0.02 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects after skin contact : Causes mild skin irritation.
- Symptoms/effects after eye contact : Serious damage to eyes.

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

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Glycerin (56-81-5) | | |
|--|---|---|
| Belgium | Limit value (mg/m ³) | 10 mg/m ³ (mist) |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 10 mg/m ³ |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 10 mg/m ³ |
| Estonia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Finland | HTP-arvo (8h) (mg/m ³) | 20 mg/m ³ |
| France | VME (mg/m ³) | 10 mg/m ³ (aerosol) |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 200 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction) |
| Greece | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Ireland | OEL (8 hours ref) (mg/m ³) | 10 mg/m ³ (mist) |
| Ireland | OEL (15 min ref) (mg/m ³) | 30 mg/m ³ (calculated-mist) |
| Poland | NDS (mg/m ³) | 10 mg/m ³ (inhalable fraction) |
| Portugal | OEL TWA (mg/m ³) | 10 mg/m ³ (mist) |
| Spain | VLA-ED (mg/m ³) | 10 mg/m ³ (mist) |
| United Kingdom | WEL TWA (mg/m ³) | 10 mg/m ³ (mist) |
| United Kingdom | WEL STEL (mg/m ³) | 30 mg/m ³ (calculated-mist) |
| Switzerland | MAK (mg/m ³) | 50 mg/m ³ (inhalable dust) |
| Switzerland | KZGW (mg/m ³) | 100 mg/m ³ (inhalable dust) |
| Australia | TWA (mg/m ³) | 10 mg/m ³ (containing no asbestos and <1% crystalline silica-inhalable dust, mist) |
| Canada (Quebec) | VEMP (mg/m ³) | 10 mg/m ³ (mist) |
| USA - OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction) |
| 3(2H)-Isothiazolone, 2-methyl- (2682-20-4) | | |
| Austria | MAK (mg/m ³) | 0.05 mg/m ³ |
| Switzerland | MAK (mg/m ³) | 0.2 mg/m ³ (inhalable dust) |

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|--|---|--------------------|
| Physical state | : | Liquid |
| Colour | : | No data available |
| Odour | : | No data available |
| Odour threshold | : | No data available |
| pH | : | 6.0-7.0 |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash /Fire point | : | 94/94 |
| CAS: 56-81-5 | | 160°C (closed cup) |
| CAS: 7732-18-5 | | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Solubility | : | No data available |
| Log Pow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| Water (7732-18-5) | |
|--------------------------|------------|
| LD50 oral rat | > 90 ml/kg |

| Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-(dodecyloxy)-, sodium salt (9004-82-4) | |
|---|------------|
| LD50 oral rat | 1600 mg/kg |

| Glycerin (56-81-5) | |
|----------------------------|--|
| LD50 oral rat | 12600 mg/kg |
| LD50 dermal rabbit | > 10 g/kg |
| LC50 inhalation rat (mg/l) | > 570 mg/m ³ (Exposure time: 1 h) |

| Dimethylol-5,5-dimethylhydantoin (6440-58-0) | |
|---|--------|
| LD50 oral rat | 2 g/kg |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

| Glycerin (56-81-5) | |
|---------------------------|--|
| LC50 fish 1 | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Glycerin (56-81-5) | |
|---------------------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
| Log Pow | -1.76 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|------------------------|----------------|----------------|----------------|----------------|
| 14.1. UN number | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

| ADR | IMDG | IATA | ADN | RID |
|---|----------------|----------------|----------------|----------------|
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Snowflake Water SL-5H, SL-5H-CON, SL-20H, SL-200H

Safety Data Sheet

according to Regulation (EU) 2015/830

SECTION 16: Other information

Indication of changes:

Not applicable.

Abbreviations and acronyms:

| | |
|------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| EC50 | Median effective concentration |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |

Data sources : Loli. ECHA reference.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging and in line with the expectations of a professional user.

Other information : None.

Full text of H- and EUH-statements:

| | |
|-----------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product