

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

Version 1

Product Name Snowflake water (alcoholic) SL-5A, SL-5A-CON, SL-20A, SL-200A

Issue Date 10-MAY-2019

Revision date 10-MAY-2019

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

1.1. Product identifier

Product Name Snowflake water (alcoholic) SL-5A, SL-5A-CON, SL-20A, SL-200A

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

Recommended Use Intermediate
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier ANTARI LIGHTING AND EFFECTS LTD
Address 8,Lane 231, Nankan, Rd, Sec.1,Luchu Dist.,Tao Yuan City,Taiwan
Postal Code 33859
Phone 03-322-5829#318
FAX 03-322-0433
E-mail any@antari.com.tw

Importer
Address
Postal Code
Phone
FAX
E-mail

1.4. Emergency telephone 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]
Not classified

2.2. Label elements

Symbols/Pictograms None
Signal word None
Hazard Statements Not applicable
Precautionary Statements Not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Mixture

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	231-791-2	7732-18-5	60-70	Not classified
POTASSIUM COCOYL GLYCINATE	-	301341-58-2	10-15	Not classified

Sodium dodecylbenzenesulfonate	246-680-4	25155-30-0	8-10	Not classified
p-Nonylphenol polyethylene glycol ether	-	98113-10-1	8-10	Not classified
Ethanol	200-578-6	64-17-5	10	Flam. Liq. 2 (H225)
Sodium carboxymethyl cellulose	-	9004-32-4	4-5	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Remove contaminated clothing and shoes. If symptoms persist, call a physician.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Store in accordance with local regulations.

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Ethanol (CAS #: 64-17-5)	1000 ppm 1880 mg/m ³	STEL 2000 ppm STEL 3800 mg/m ³ TWA: 1000 ppm TWA: 1900 mg/m ³	-	TWA: 1000 ppm TWA: 1900 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Ethanol (CAS #: 64-17-5)	TWA: 1000 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 5000 ppm STEL: 9500 mg/m ³	TWA: 1000 ppm TWA: 1900 mg/m ³ STEL: 1300 ppm STEL: 2500 mg/m ³	TWA: 500 ppm TWA: 960 mg/m ³ Ceiling / Peak: 1000 ppm Ceiling / Peak: 1920 mg/m ³ Skin	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Ethanol (CAS #: 64-17-5)	TWA: 1900 mg/m ³	TWA: 1000 ppm	STEL: 1000 ppm STEL: 1910 mg/m ³ TWA: 1000 ppm TWA: 1910 mg/m ³	STEL: 1000 ppm STEL: 1920 mg/m ³ TWA: 500 ppm TWA: 960 mg/m ³	Skin STEL: 1900 mg/m ³ TWA: 260 mg/m ³

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH

Ethanol (CAS #: 64-17-5)	TWA: 500 ppm TWA: 950 mg/m ³ STEL: 500 ppm STEL: 950 mg/m ³	STEL: 3000 ppm STEL: 5760 mg/m ³ TWA: 1000 ppm TWA: 1920 mg/m ³	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
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Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

8.2. Exposure controls

Engineering Controls

Showers. Eyewash stations. Ventilation systems. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Eye/face protection Wear safety glasses with side shields (or goggles).
- Hand Protection Wear protective gloves.
- Skin and body protection 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

Appearance	Liquid
Color	Transparent
Odor	No information available
Odor Threshold	Not determined
pH	7.0-8.0
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flash/Fire point	96°C/96°C
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	Not determined
Relative density	Not determined
Water solubility	Not determined
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water (CAS #: 7732-18-5)	> 89800 mg/kg (Rat)	-	-
Sodium dodecylbenzenesulfonate (CAS #: 25155-30-0)	= 438 mg/kg (Rat) = 500 mg/kg (Rat)	-	-
Ethanol (CAS #: 64-17-5)	10470 mg/kg bw (rat)	-	124.7 mg/L (Rat) 4h
Sodium carboxymethyl cellulose (CAS #: 9004-32-4)	= 27000 mg/kg (Rat)	> 2 g/kg (Rabbit)	> 5800 mg/m ³ (Rat) 4 h

Skin corrosion/irritation

Not classified.

Serious eye damage/eye irritation

Not classified.

Sensitization

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Chemical Name	European Union	IARC
Ethanol (CAS #: 64-17-5)	-	Group 1

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**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Sodium dodecylbenzenesulfonate (CAS #: 25155-30-0)	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	-
Ethanol (CAS #: 64-17-5)	-	14200 mg/l/96h Pimephales promelas	5012 mg/L/48h Daphnia magna

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient (LogPow)
Ethanol (CAS #: 64-17-5)	-0.32

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

14.1 UN Number	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard Class	Not applicable
14.4 Packing Group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
European Union

Component	EINECS/ELINCS	SVHC candidates	RESTRICTIONS - REACH TITLE VIII
Water 7732-18-5 (60-70)	X	-	-
Sodium dodecylbenzenesulfonate 25155-30-0 (8-10)	X	-	-
Ethanol 64-17-5 (10)	X	-	-

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDSL	ENCS	IECSC	KECL	PICCS	AICS
Water 7732-18-5 (60-70)	X	X	-	X	X	X	X
Sodium dodecylbenzenesulfonate 25155-30-0 (8-10)	X	X	X	X	X	X	X
Ethanol 64-17-5 (10)	X	X	X	X	X	X	X
Sodium carboxymethyl cellulose 9004-32-4 (4-5)	X	X	X	X	X	X	X
POTASSIUM COCOYL GLYCINATE 301341-58-2	-	-	-	-	-	-	X

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

A Chemical Safety Assessment is not required for this substance

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date 10-MAY-2019
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Revision Note Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapor

Disclaimer

The information provided in this Material 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.

----- End of Safety Data Sheet -----