

**Safety Data Sheet**  
**FOG LIQUID ITEM NO.: FLC-XXX, FLL-XXX**  
**(X=0~999)**

**SDS Revision Date:25-Apr-2023**  
**SGS Reference No.:ETN23400023**

**Section 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product Identity** FOG LIQUID ITEM NO.: FLC-XXX, FLL-XXX  
(X=0~999)

**Alternate Names** FOG LIQUID ITEM NO.: FLC-XXX, FLL-XXX  
(X=0~999)

**Unique Formula Identifier**

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

**Intended Uses and Uses Advised Against** See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Company Name** ANTARI LIGHTING & EFFECTS, LTD.  
NO. 8, LN. 231, SEC. 1, NANKAN RD., LUZHU  
DIST., TAOYUAN CITY 338, TAIWAN

**Customer Service:** +886 3 322 5829

**1.4. Emergency telephone number**

**Emergency**

**24 hour Emergency Telephone No.** +886 3 322 5829

**Section 2. Hazard identification of the product**

**2.1. Classification of the substance or mixture**

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

No applicable CLP categories.

**2.2. Label elements**

**According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006**

No applicable CLP categories.

**2.3. Other hazards**

This product contains no PBT/vPvB chemicals.  
This product contains no endocrine disrupting chemicals.



PIN CODE: 9CE98CA6

## Section 3. Composition/information on ingredients

### 3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

| Ingredient/Chemical Designations  | Weight % | EC No. 1272/2008 Classification* | Notes |
|---|----------|----------------------------------|-------|
| <b>Water</b><br>CAS Number: 0007732-18-5<br>EC No. 231-791-2<br>Index No.:            | 40 - 75  | Not Classified                   |       |
| <b>Propylene Glycol</b><br>CAS Number: 0000057-55-6<br>EC No. 200-338-0<br>Index No.: | 25 - 60  | Not Classified                   |       |

<sup>^</sup>CLP<sup>31</sup> Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

## Section 4. First aid measures

### 4.1. Description of first aid measures

|                   |  |
|-------------------|--|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.   |
| <b>Inhalation</b> | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| <b>Eye</b>        | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.   |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.  |
| <b>Ingestion</b>  | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.   |

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

### Overview

Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

### Inhalation

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

**Notes to physician** Treat symptomatically.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Chemical dry powder, foam, CO<sub>2</sub>, water mist sprinkler

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

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

### 5.3. Advice for fire-fighters

Put on appropriate personal protective equipment (see section 8).

## Section 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

Small Spill: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Large Spill: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for late disposal.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Store in cool, dry ventilated area. Avoid excessive heat. Always keep containers tightly closed when not in use.

Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

Incompatible materials: Strong oxidizing agents and acids.

### 7.3. Specific end use(s)

No available information

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

| CAS No.      | Ingredient       | Source   | Value                              |
|--------------|------------------|----------|------------------------------------|
| 0000057-55-6 | Propylene Glycol | OSHA     | No Established Limit               |
|              |                  | ACGIH    | TWA(Aerosol): 10 mg/m <sup>3</sup> |
|              |                  | NIOSH    | No Established Limit               |
|              |                  | National | No Established Limit               |
| 0007732-18-5 | Water            | OSHA     | No Established Limit               |
|              |                  | ACGIH    | No Established Limit               |
|              |                  | NIOSH    | No Established Limit               |
|              |                  | National | No Established Limit               |

### 8.2. Exposure controls

**Respiratory** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended

**Skin** Avoid skin contact. Protective gloves recommended.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See section 2 for further details.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                             |
|--|-----------------------------|
| <b>Physical State</b>                                  | Liquid                      |
| <b>Color</b>   | Transparent                 |
| <b>Odor</b>  | Specific smell              |
| <b>Melting point / freezing point</b>                  | No available information    |
| <b>Initial boiling point and boiling range</b>         | 94°C, Test method: Open cup |
| <b>Flammability (solid, gas)</b>                       | No available information    |
| <b>Upper/lower flammability or explosive limits</b>    | No available information    |
| <b>Flash Point</b>                                     | 94°C, Test method: Open cup |
| <b>Auto-ignition temperature</b>                       | No available information    |
| <b>Decomposition temperature</b>                       | No available information    |
| <b>pH</b>  | 6.5~7.5                     |
| <b>Viscosity (cSt)</b>                                 | No available information    |
| <b>Solubility in Water</b>                             | No available information    |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | No available information    |
| <b>Vapor pressure (Pa)</b>                             | No available information    |
| <b>Relative Density</b>                                | No available information    |
| <b>Vapor Density</b>                                   | No available information    |
| <br>   |                             |
| <b>Evaporation rate (Ether = 1)</b>                    | No available information    |
| <b>Oxidising properties</b>                            | No available information    |
| <b>Explosive properties</b>                            | No available information    |

### 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No available information

#### 10.4. Conditions to avoid

Excessive heat and open flame.

#### 10.5. Incompatible materials

Strong oxidizing agents and acids.

#### 10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

### Section 11. Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient                   | Oral LD50, mg/kg              | Skin LD50, mg/kg                  | Inhalation Vapour LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|------------------------------|-------------------------------|-----------------------------------|----------------------------------|-------------------------------------|--------------------------|
| Propylene Glycol - (57-55-6) | 22,000.00, Rat - Category: NA | > 2,000.00, Rabbit - Category: NA | No data available                | No data available                   | No data available        |
| Water - (7732-18-5)          | 90,000.00, Rat - Category: NA | No data available                 | No data available                | No data available                   | No data available        |

##### Carcinogen Data

| CAS No.      | Ingredient       | Source | Value  |
|--------------|------------------|--------|--|
| 0000057-55-6 | Propylene Glycol | OSHA   | Regulated Carcinogen: No;  |
|              |                  | NTP    | Known: No; Suspected: No;  |
|              |                  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |                  | ACGIH  | No Established Limit   |
| 0007732-18-5 | Water            | OSHA   | Regulated Carcinogen: No;  |
|              |                  | NTP    | Known: No; Suspected: No;  |
|              |                  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
|              |                  | ACGIH  | No Established Limit   |

| Classification                | Category | Hazard Description |
|-------------------------------|----------|--------------------|
| Acute toxicity (oral)         | ---      | ---                |
| Acute toxicity (dermal)       | ---      | ---                |
| Acute toxicity (inhalation)   | ---      | ---                |
| Skin corrosion/irritation     | ---      | ---                |
| Serious eye damage/irritation | ---      | ---                |
| Respiratory sensitization     | ---      | ---                |
| Skin sensitization            | ---      | ---                |
| Germ cell mutagenicity        | ---      | ---                |
| Carcinogenicity               | ---      | ---                |
| Reproductive toxicity         | ---      | ---                |
| STOT-single exposure          | ---      | ---                |
| STOT-repeated exposure        | ---      | ---                |
| Aspiration hazard             | ---      | ---                |

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

| Ingredient                   | 96 hr LC50 fish, mg/L             | 48 hr EC50 crustacea, mg/L           | ErC50 algae, mg/L                                  | 3hr IC50 Bacteria mg/L | Biodegradability % |
|------------------------------|-----------------------------------|--------------------------------------|--|------------------------|--------------------|
| Propylene Glycol - (57-55-6) | 40,613.00, <i>Salmo gairdneri</i> | 18,340.00, <i>Ceriodaphnia dubia</i> | 24,200.00 (72 hr), <i>Raphidocelis subcapitata</i> | ---                    | 100                |
| Water - (7732-18-5)          | ---                               | ---                                  | ---  | ---                    | ---                |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

No available information

### 12.4. Mobility in soil

No available information

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

### 12.7. Other adverse effects

No available information

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

|  | ADR/RID   | IMO / IMDG (Ocean Transportation)                               | ICAO/IATA  |
|--|---|---|--|
| <b>14.1. UN number</b>   | Not Applicable  | Not Regulated   | Not Regulated  |
| <b>14.2. UN proper shipping name</b>   | Not Regulated   | Not Regulated   | Not Regulated  |
| <b>14.3. Transport hazard class(es)</b>  | <b>DOT Hazard Class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air class:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable |
| <b>14.4. Packing group</b>   | Not Applicable  | Not Applicable  | Not Applicable   |
| <b>14.5. Environmental hazards</b>   | Marine Pollutant: No;   |   |  |
| <b>14.6. Special precautions for user</b>  | No available information  |   |  |
| <b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not Applicable  |   |  |

## Section 15. Regulatory information

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

#### EU Legislation

REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

#### National Legislation

None noted.

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.



## Section 16. Other information

**Revision Date** 25-Apr-2023

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

Not Applicable

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