

# SAFETY DATA SHEET

Regulation (EC) No 1272/2008 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 2015/830)

Version 1  
Product Name FOG LIQUID

Issue Date 5-JUN-2020  
Revision date 5-JUN-2020

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

### 1.1. Product identifier

**Product Identity** FOG LIQUID  
**Alternate Names** FOG LIQUID FLJ-05 (FLJ-XXX),FLJ-05,FLJ-1, FLJ-2, FLJ-4,FLJ-5,FLJ-6, FLJ-10,FLJ-20,FLJ-200,  
FLJ-XXX(X=1-999)

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

**Intended use** See Technical Data Sheet.  
**Application Method** See Technical Data Sheet.

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

**Supplier** ANTARI LIGHTING & EFFECTS, LTD.  
**Address** 8, Lane 231, Nankan, Rd, Sec.1,Luchu,Tao Yuan City, Taiwan  
**Postal Code** 33859  
**Phone** +886 (3) 322-5929

### 1.4. Emergency telephone number

+886 (3) 322-5929

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

#### **According to Regulation (EC) No 1272/2008**

No applicable CLP categories.

#### **[Prevention]:**

No CLP prevention statements

#### **[Response]:**

No CLP response statements

#### **[Storage]:**

No CLP storage statements

#### **[Disposal]:**

No CLP disposal statements

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixture

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS] (as amended by (EU) 2015/830), they are listed below.

Active Ingredient(s)/Chemical Designations	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	231-791-2	7732-18-5	40-60	Not classified
Triethylene glycol	203-953-2	112-27-6	5-20	Not classified
2-Methoxy-1-Methylethyl Acetate	203-603-9	108-65-6	25-40	Flam. Liq. 3;H226

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

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] 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

#### General advice

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

#### Inhalation

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.

#### Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

#### Eye contact

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

#### Ingestion

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

No specific symptom data available.

Treat symptomatically See section 2 for further details.

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

#### Notes to physician

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

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

Hazardous decomposition: Carbon Dioxide, Carbon Monoxide

### 5.3. Advice for firefighters

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

ERG Guide No. ----

## 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.

See section 2 for further details. - [Prevention]:

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

Incompatible materials: Strong oxidizing agents

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No available information

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

CAS No.	Ingredient	Exposure	
		Source	Value
7732-18-5	Water	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
112-27-6	Triethylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
108-65-6	2-Methoxy-1-Methylethyl Acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppm STEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

**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. - [Prevention]:

**SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Light Purple Liquid
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No available information
<b>pH</b>	5.7
<b>Melting point/freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	No available information

Flash /Fire point	219.2°F 104°C,
Evaporation rate (Ether = 1)	No available information
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	No available information
Vapor pressure (Pa)	No available information
Vapor Density	No available information
Specific Gravity	No available information
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
Viscosity (cSt)	No available information
Oxidising properties	No available information
Explosive properties	No available information
Flammability	104°C

**9.2. Other information**

No information available

**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**

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products**

Carbon Dioxide, Carbon Monoxide

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

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).

CAS No.	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
7732-18-5	Water	No data available	No data available	No data available	No data available	No data available
112-27-6	Triethylene glycol	>16,000.00, Rat - Category: NA	16,000.00, Rabbit - Category: NA	> 5.20, Rat - Category: NA	No data available	No data available

108-65-6	2-Methoxy-1-Methylethyl Acetate	5,155.00, Rat - Category: NA	> 2,000.00, Rabbit - Category: NA	No data available	No data available	No data available
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### Carcinogen Data

CAS No.	Ingredient	Source	Value
7732-18-5	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
112-27-6	Triethylene 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
108-65-6	2-Methoxy-1-Methylethyl Acetate	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)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

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

#### Aquatic Ecotoxicity

CAS No.	Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
7732-18-5	Water	Not available	Not available	Not available
112-27-6	Triethylene glycol	>10,000.00, Lepomis macrochirus	>10,000.00, Daphnia magna	20,518.00(96hr), Not Defined
108-65-6	2-Methoxy-1-Methylethyl Acetate	161.00, Pimephales promelas	> 500.00, Daphnia magna	> 1,000.00 (96 hr), Pseudokirchnerella subcapitata

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

#### 12.4. Mobility in soil

No information available.

#### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

#### 12.6. Other adverse effects

No information available.

### 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

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<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	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	No information available		
<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) 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

##### National Legislation

None noted.

#### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

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:**

H226 Flammable liquid and vapor.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008**

<b>Issue Date</b>	5-JUN-2020
<b>Revision date</b>	5-JUN-2020
<b>Revision Note</b>	Not applicable

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