

**Product name:**  
 EMULGEN 106

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

## 1. Identification of the substance or mixture and of the supplier

**Product name:**  
 EMULGEN 106

**Product No.:** B0001906

### Recommended use and restriction on use

**Recommended use:** Polyoxyethylene(5) lauryl ether  
**Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name:	Kao Corporation
Address:	1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
Telephone:	+81-3-5630-7700
Fax:	+81-3-5630-7889
Contact division:	Chemical Business
E-mail:	chemical@kao.co.jp

**Emergency telephone number:** 81-3-5630-7700

## 2. Hazard(s) identification

Emergency Overview: Colorless to pale yellow Liquid. Odor: Slight characteristic odor. Hazard statements: May be harmful if swallowed or in contact with skin. Causes mild skin irritation. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

### GHS classification

#### Health Hazards

Acute toxicity (Oral)	Category 5
Acute toxicity (Dermal)	Category 5
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 1

#### Environmental Hazards

Acute hazards to the aquatic environment	Category 2
Chronic hazards to the aquatic environment	Category 3

### Label Elements

#### Pictograms:

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**Signal Word:** Danger  
  
**Hazard Statement:** May be harmful if swallowed or in contact with skin.  
 Causes mild skin irritation.  
 Causes serious eye damage.  
 Toxic to aquatic life.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. Avoid release to the environment. Wear eye protection/face protection.  
  
**Response:** 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. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor/ physician if you feel unwell.  
  
**Storage:** -  
  
**Disposal:** Passed to a licensed waste contractor.

**Physical and Chemical Hazards:** None.  
**Health Hazards:** None.  
**Environmental Hazards:** None.

**Other hazards which do not result in GHS classification:** None.

**3. Composition/information on ingredients**

**Substances**

Chemical Identity	CAS number	Content in percent (%)
Polyoxyethylene(5) lauryl ether	9002-92-0	100%

**4. First-aid measures**

**Description of necessary first-aid measures**

**Inhalation:** Remove person to fresh air and keep comfortable for breathing.  
  
**Skin Contact:** Gently wash with plenty of soap and water.

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**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Ingestion:** Immediately call a POISON CENTER/doctor.

**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Special hazards arising from the substance or mixture:** No data available.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.

**Special protective equipment for fire-fighters:** Use goggles in combination with dust mask, and other protections as appropriate to situation.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.

**Methods and material for containment and cleaning up:** Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.

**Environmental Precautions:** Avoid release to the environment.

**Prevention of secondary hazards:** Keep away from sources of ignition and prepare extinguishing media.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

**Safe handling advice:** Keep away from source of ignition. Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.

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Contact avoidance measures: No data available.

### Storage

Safe storage conditions: Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.

Safe packaging materials: No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

**Monitoring methods:** No data available.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety goggles

**Hand Protection:** Material: Rubber gloves

**Skin and Body Protection:** Full-body suit

**Respiratory Protection:** Use as appropriate to situation.

**Hygiene measures:** No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

**Physical state:** Liquid

**Form:** Liquid

**Color:** Colorless to pale yellow

**Odor:** Slight characteristic odor

**Odor Threshold:** No data available.

**Freezing point:** 43 °F/6 °C

**Boiling Point:** > 104 °F/40 °C

**Flammability:** No data available.

#### Upper/lower limit on flammability or explosive limits

**Explosive limit - upper:** No data available.

**Explosive limit - lower:** No data available.

**Flash Point:** 376 °F/191 °C (Cleveland open cup)

**Self Ignition Temperature:** > 212 °F/100 °C

**Decomposition Temperature:** No data available.

**pH:** 5 (5% aqueous solution)

#### Viscosity

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<b>Dynamic viscosity:</b>	38 mPa.s (68 °F/20 °C) 21 mPa.s (104 °F/40 °C) 13 mPa.s (140 °F/60 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Emulsifiable in water.
<b>Solubility (other):</b>	Soluble in isopropyl alcohol Soluble in ethylene glycol
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.961 g/ml (68 °F/20 °C) 0.947 g/ml (104 °F/40 °C) 0.933 g/ml (140 °F/60 °C)
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

<b>10. Stability and reactivity</b>
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<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

<b>11. Toxicological information</b>
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**Acute toxicity (list all possible routes of exposure)**

<b>Oral</b>	
<b>Product:</b>	ATEmix: 2,500 mg/kg
<b>Dermal</b>	
<b>Product:</b>	ATEmix 2,500 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: No data available. Not classified based on available data of component(s).

**Skin Corrosion/Irritation**  
**Product:** No data available.

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**Components:**

Polyoxyethylene(5) lauryl ether Category 3: (96)

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Polyoxyethylene(5) lauryl ether Category 1: (96)

**Respiratory or Skin Sensitization**

**Product:** Skin: No data available.  
Not classified based on available data of component(s).  
Respiratory: Classification not possible due to insufficient data.

**Carcinogenicity**

**Product:** Classification not possible due to insufficient data.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.  
Not classified based on available data of component(s).

**In vivo**

**Product:** No data available.  
Not classified based on available data of component(s).

**Reproductive toxicity**

**Product:** No data available.  
Not classified based on available data of component(s).

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Classification not possible due to insufficient data.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.  
Not classified based on available data of component(s).

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

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**Aquatic Invertebrates**

Product: No data available.

**Toxicity to Aquatic Plants**

Product: No data available.

**Components:**

Polyoxyethylene(5) lauryl ether Category 2: (96)

**Chronic hazards to the aquatic environment**

**Fish**

Product: No data available.

**Aquatic Invertebrates**

Product: No data available.

**Toxicity to Aquatic Plants**

Product: No data available.

**Components:**

Polyoxyethylene(5) lauryl ether Category 3: (96)

**Persistence and Degradability**

**Biodegradation**

Product: No data available.

**BOD/COD Ratio**

Product: No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

Product: No data available.

**Partition Coefficient n-octanol / water (log Kow)**

Product: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

**13. Disposal considerations**

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor.

Contaminated Packaging: No data available.

**14. Transport information**

**IMDG**

Not regulated.

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**IATA**  
Not regulated.

## 15. Regulatory information

### China. Catalog of Hazardous Chemicals

Not Regulated

### China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)

Not Regulated

### China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)

Not Regulated

### China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)

Not Regulated

### Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Australia AICS:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Contact us for information
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
REACH (EU):	Registered
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

**Should comply with local regulations in respect of this product.**

## 16. Other Information

**Issue Date:** 21.09.2021

**Version #:** 1.0

**Revision Date:**

**Further Information:** No data available.

**Revision Information** Not relevant.



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**Reference:**

(96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)