

# SAFETY DATA SHEET

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

**GHS Product identifier:** EMULGEN LS-114

**Other means of identification**

**SDS number:** B0002017

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Not available.

**Recommended restrictions:** Not known.

**Supplier's details**

**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  
**Division:** Chemical Business  
**E-mail:** chemical@kao.co.jp

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

## 2. Hazard(s) identification

**GHS classification of substance or mixture, and national or regional information:**

**Health Hazards**

Serious Eye Damage/Eye Irritation      Category 1

**Label Elements**

**Pictograms:**



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage.

**Precautionary Statements**

**Prevention:**

Wash thoroughly after handling. Wear eye protection/face protection. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.

**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/doctor. IF ON SKIN: Gently wash with plenty of water and soap.

**Storage:**

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**Disposal:**

Passed to a licensed waste contractor.

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

### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Concentration
Polyoxyethylene polyoxypropylene alkyl(C12-14) ethers		68439-51-0	

### 4. First-aid measures

#### Description of necessary first-aid measures

<b>Ingestion:</b>	Immediately call a POISON CENTER/doctor.
<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin Contact:</b>	Gently wash with plenty of soap and water.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.

**Specific hazards arising from the chemical:** No data available.

#### Special protective action for fire fighters

**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.

**For non-emergency personnel:** Avoid release to the environment.

<b>For emergency responders:</b>	Avoid release to the environment.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Methods and material for containment and cleaning up:</b>	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.
<b>Notification Procedures:</b>	Keep away from sources of ignition and prepare extinguishing media.

## 7. Handling and storage

<b>Precautions to ensure safe handling:</b>	Keep away from source of ignition. Avoid contact with eyes. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

<b>Occupational Exposure Limits</b>	None of the components have assigned exposure limits.
<b>Appropriate Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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

<b>Eye/face protection:</b>	Safety goggles
<b>Hand Protection:</b>	Rubber gloves
<b>Other:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless to pale yellow
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	6 5% solution
<b>Freezing point:</b>	11 °C
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	260 °C (Cleveland open cup)
<b>Evaporation Rate:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.

<b>Vapor pressure:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	1.032 g/ml (20 °C)
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	Very Soluble
<b>Solubility (other):</b>	Soluble in acetone, chloroform, cyclohexane, ethanol, 2-propanol and toluene
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	143 mPa.s (20 °C)

## 10. Stability and reactivity

<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 special hazardous and harmful combustion or decomposition.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

#### Oral

<b>Product:</b>	LD 50 (Rat): > 2,000 mg/kg (Data on similar product) Not classified based on available data.
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#### Dermal

<b>Product:</b>	No data available. Not classified based on available data of component(s).
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#### Inhalation

<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).
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#### Skin Corrosion/Irritation

<b>Product:</b>	OECD TG404 Rabbit, 4 h: Non irritant undiluted, (Data on similar product) Not classified based on available data.
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#### Serious Eye Damage/Eye Irritation

<b>Product:</b>	Rabbit: Severe undiluted, (Data on similar product)
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#### Respiratory or Skin Sensitization

**Product:** Skin sensitization, GPMT Skin: (Guinea Pig): Negative (Data on similar product)  
Skin sensitization, Buehler Skin: (Guinea Pig): Negative (Data on similar product)  
Skin: Not classified based on available data.  
Respiratory: Classification not possible due to insufficient data.

**Carcinogenicity**

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

**Germ Cell Mutagenicity****In vitro**

**Product:** Ames test (TA98, TA100): Negative  
Classification not possible due to insufficient data.

**In vivo**

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

**Reproductive toxicity**

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

**Specific Target Organ Toxicity - Single Exposure**

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

**Specific Target Organ Toxicity - Repeated Exposure**

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

**Aspiration Hazard**

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

**Other effects:** No data available.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

**Product:** LC 50 (Red Killifish, 96 h): 6.7 mg/l

**Aquatic Invertebrates**

**Product:** EC 50 (Daphnia, 48 h): 3.59 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Chronic hazards to the aquatic environment:****Fish**

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

**Aquatic Invertebrates**

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

#### Toxicity to Aquatic Plants

**Product:** No data available.

#### Persistence and Degradability

##### Biodegradation

**Product:** 98 % (28 d, OECD TG301B) rapidly biodegradable

##### BOD/COD Ratio

**Product:** No data available.

#### Bioaccumulative potential

##### Bioconcentration Factor (BCF)

**Product:** No data available.

##### Partition Coefficient n-octanol / water (log K<sub>ow</sub>)

**Product:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

#### Disposal methods

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

**Contaminated Packaging:** No data available.

### 14. Transport information

#### IATA

Not regulated.

#### IMDG

Not regulated.

### 15. Regulatory information

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

**Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations:** This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations.

#### Fire Safety (Petroleum and Flammable Materials) Regulations

Not applicable

**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

<b>16.Other information, including date of preparation or last revision</b>
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**Issue Date:** 2020.11.24

**Version #:** 1.0

**Source of information:** No data available.

**Further Information:** No data available.

**Disclaimer:** To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

**Reference:**

- Hazard communication of chemicals based on GHS
- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994) GHS guideline
- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association