

SAFETY DATA SHEET

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

GHS Product identifier: EMULGEN LS-110

Other means of identification

SDS number: B0002015

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
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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 ethers		68439-51-0	

4. First-aid measures

Description of necessary first-aid measures

Ingestion:	Immediately call a POISON CENTER/doctor.
Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin Contact:	Gently wash with plenty of soap and water.
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.

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.

For emergency responders:	Avoid release to the environment.
Environmental Precautions:	Avoid release to the environment.
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.
Notification Procedures:	Keep away from sources of ignition and prepare extinguishing media.

7. Handling and storage

Precautions to ensure safe handling:	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.
Conditions for safe storage, including any incompatibilities:	Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Appropriate Engineering Controls:	None of the components have assigned exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
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Individual protection measures, such as personal protective equipment

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

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Liquid
Color:	Colorless to pale yellow
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
pH:	6 5% solution
Freezing point:	1 °C
Boiling Point:	No data available.
Flash Point:	242 °C (Cleveland open cup)
Evaporation Rate:	No data available.
Flammability:	No data available.
Explosive limit - upper:	No data available.

Explosive limit - lower:	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	1.012 g/ml (20 °C)
Relative density:	No data available.
Solubility in Water:	Very Soluble
Solubility (other):	Soluble in acetone, chloroform, cyclohexane, ethanol, 2-propanol and toluene
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	No data available.
Dynamic viscosity:	99 mPa.s (20 °C)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable in general.
Possibility of hazardous reactions:	Material is stable under normal conditions.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No special hazardous and harmful combustion or decomposition.

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50 (Rat, Male): > 2,000 mg/kg Not classified based on available data.
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Dermal

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

Product:	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

Product:	OECD TG404 Rabbit, 4 h: Non irritant undiluted Not classified based on available data.
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Serious Eye Damage/Eye Irritation

Product:	Rabbit: Severe undiluted
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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
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): 4.0 mg/l

Aquatic Invertebrates

Product: EC 50 (Daphnia, 48 h): 1.58 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: 80 % (28 d, OECD TG301B) Readily biodegradable
87 - 89 % (14 d, OECD TG301C) Readily biodegradable

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log K_{ow})

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

16. Other information, including date of preparation or last revision

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