

Product name:
 EMULGEN LS-110

SAFETY DATA SHEET

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

Product name:
 EMULGEN LS-110

Product No.: B0002015

Recommended use of the chemical and restrictions on use

Recommended use: Not known.
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

GHS classification

Health Hazards

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

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	100 %
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Environmental Hazards

Acute hazards to the aquatic environment	Category 2
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Unknown toxicity - Environment

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement:

May be harmful if swallowed or in contact with skin.
Causes serious eye damage.
Toxic to aquatic life.

Precautionary Statements
Prevention:

Wash thoroughly after handling. Wear eye protection/face protection. Avoid release to the environment. 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 or doctor. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER/doctor if you feel unwell.

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	Content in percent (%)
聚氧乙烯聚氧丙烯烷基醚 Polyoxyethylene polyoxypropylene alkyl ethers	-	68439-51-0	

4. First-aid measures

Description of first aid measures

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.

Ingestion:

Immediately call a POISON CENTER/doctor.

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Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

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 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.

Accidental release measures: Keep away from sources of ignition and prepare extinguishing media.

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.

7. Handling and storage

Handling

Technical measures: Facilities storing or utilizing this material should be equipped

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	with an eyewash facility and a safety shower.
Local/Total ventilation:	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. This product may form partially precipitate according to the storage condition. In that case, please warm-up for dissolving, then use as homogeneous liquid.
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.

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

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:	1 °C/34 °F

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Boiling Point:	No data available.
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:	242 °C/468 °F (Cleveland open cup)
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	6 (5% solution)
Viscosity	
Dynamic viscosity:	99 mPa.s (20 °C/68 °F)
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
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.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.012 g/ml (20 °C/68 °F)
Relative vapor density:	No data available.
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.

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

Dermal

Product: ATEmix 2,500 mg/kg

Inhalation

Product: Dust and mist: Classification not possible due to insufficient data.
Vapour: No data available.
Not classified based on available data of component(s).

Skin Corrosion/Irritation

Product: OECD TG404 Rabbit, 4 h: Non irritant undiluted
Not classified based on available data.

Serious Eye Damage/Eye Irritation

Product: OECD TG405, Rabbit, Severe, undiluted

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.

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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): 1.6 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Components:

聚氧乙烯聚氧丙烯烷基醚 Category 2: (99)
 Polyoxyethylene
 polyoxypropylene alkyl ethers

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).

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 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

IATA

Not Regulated

IMDG

Not Regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Domestic Standard: In compliance with domestic law.

15. Regulatory information

National regulatory information:

Regulations on Occupational Safety and Health Facilities

Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.

Regulations on Labelling and Hazard Communication of Hazardous Chemicals

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

Issue Date: 2023.04.10

Version #: 1.0

Organization that prepared the SDS and SDS Author:

SDS Author: Kao (Taiwan) Corporation
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23143, Taiwan R.O.C.
Chin chang, Wen (Director) TEL: 886-2-8665-1930

Further Information: No data available.

References: No data available.

Revision Information Not relevant.

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Disclaimer:

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Reference:

(99): Internal study data