

SAFETY DATA SHEET

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

GHS Product identifier: EMULGEN 108

Other means of identification

SDS number: B0001908

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

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:



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: Avoid release to the environment. Wash thoroughly after handling. 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/doctor. IF ON SKIN: Gently wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell.

Storage: -

Disposal: Passed to a licensed waste contractor.

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

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 100 %

Unknown toxicity - Environment

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

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS number	Concentration*
Polyoxyethylene(6) lauryl ether		9002-92-0	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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.

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.

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

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.

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:	4 - 6 (5% solution)
Freezing point:	10.0 °C
Boiling Point:	No data available.
Flash Point:	206.0 °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:	0.985 g/ml (20.0 °C) 0.971 g/ml (40.0 °C) 0.957 g/ml (60.0 °C)
Relative density:	No data available.
Solubility in Water:	Very Soluble
Solubility (other):	Soluble in ethylene glycol Soluble in isopropyl alcohol
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:	60.0 mPa.s (20.0 °C) 38.0 mPa.s (30.0 °C) 25.0 mPa.s (40.0 °C)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	No data available.
Possibility of hazardous reactions:	Has low reactivity. Has no self-reactivity.
Conditions to avoid:	No data available.
Incompatible Materials:	No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix: 2,500 mg/kg

Dermal

Product: ATEmix 2,500 mg/kg

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).

Skin Corrosion/Irritation

Product: No data available.

Components:

Polyoxyethylene(6) lauryl ether Category 3: (96)

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Polyoxyethylene(6) 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.

IARC:

No carcinogens present or none present in regulated quantities

ACGIH:

No carcinogens present or none present in regulated quantities

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: LC 50 (Red Killifish, 96 h): 3.3 mg/l (Data on similar product)

Aquatic Invertebrates

Product: EC 50 (Daphnia, 48 h): 2.2 mg/l (Data on similar product)

Toxicity to Aquatic Plants

Product: No data available.

Components:

Polyoxyethylene(6) lauryl ether Category 2: (99)

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Polyoxyethylene(6) lauryl ether Category 3: (96)

Persistence and Degradability

Biodegradation

Product: 65 % (28 d, OECD TG301C) Readily biodegradable
74 % (28 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.

Known or predicted distribution to environmental compartments
 Polyoxyethylene(6) lauryl ether 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 specific for the product in question

Thailand. Hazardous Substances Prohibited from On-line Notification System (Notification of Ministry of Industry, B.E. 2547)

Thailand. Notification of Ministry of Industry, Re: List of Hazardous Substances B.E. 2538

Thailand. Hazardous Substances under Chapter 3, Duties and Civil Liabilities (Notification of Ministry of Industry Re: Hazardous Substances under Chapter 3 of Hazardous Substances Act)

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to More Dangerous Chemicals

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)
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

16. Other information, including date of preparation or last revision
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Issue Date:	16.02.2021
Revision Date:	
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:

- (96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)
- (99): Internal study data