

Product name:  
EMULGEN 120

# SAFETY DATA SHEET

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

Product name:  
EMULGEN 120

Product No.: B0001920

### 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 4

Acute toxicity (Dermal) Category 5

Serious Eye Damage/Eye Irritation Category 1

#### Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 100 %

#### Environmental Hazards

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

#### Unknown toxicity - Environment

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

### Label Elements

Pictograms:

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**Signal Word:** Danger

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

**Precautionary Statements**

**Prevention:** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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.

**Storage:** -

**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 (%)
月桂醇聚醚-12 Polyoxyethylene(12) lauryl ether	-	9002-92-0	

### 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.

**Ingestion:** Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

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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. Do not contact with eyes and skin at work.

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

**Methods and material for containment and cleaning up:** Sweep or vacuum spills to drums or containers.

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

**7. Handling and storage**

**Handling**

**Technical measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</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. Do not eat, drink or smoke when using the product.
<b>Contact avoidance measures:</b>	No data available.
<b>Storage</b>	
<b>Safe storage conditions:</b>	Keep container tightly closed. Store in a well-ventilated place. Keep away from source of ignition.
<b>Safe packaging materials:</b>	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**

<b>Eye/face protection:</b>	Safety goggles
<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</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**

**Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	Solid
<b>Form:</b>	Solid
<b>Color:</b>	White to pale yellow
<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	45.5 °C/113.9 °F
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.

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

**Explosive limit - upper:** No data available.  
**Explosive limit - lower:** No data available.  
**Flash Point:** 212.0 °C/413.6 °F (Cleveland open cup)  
**Autoignition Temperature:** No data available.  
**Decomposition Temperature:** No data available.  
**pH:** 4.0 - 6.0 (5% solution)

**Viscosity**

**Dynamic viscosity:** 56.0 mPa.s (40.0 °C/104.0 °F)  
 39.0 mPa.s (50.0 °C/122.0 °F)  
 28.0 mPa.s (60.0 °C/140.0 °F)  
**Kinematic viscosity:** No data available.  
**Flow Time:** No data available.

**Solubility(ies)**

**Solubility in Water:** Very Soluble  
**Solubility (other):** Soluble in ethyl alcohol

**Partition coefficient (n-octanol/water):** No data available.

**Vapor pressure:** No data available.

**Relative density:** No data available.

**Density:** 1.014 g/ml (40.0 °C/104.0 °F)  
 1.007 g/ml (50.0 °C/122.0 °F)  
 1.0 g/ml (60.0 °C/140.0 °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:** 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.

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## 11. Toxicological information

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

**Oral**

**Product:** ATEmix: 500 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:** No data available.  
 Not classified based on available data of component(s).

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Components:**

月桂醇聚醚-12  
 Polyoxyethylene(12)  
 lauryl ether  
 Category 1: (98)

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

### Germ Cell Mutagenicity

**In vitro**

**Product:** Ames test (TA98, TA100): Negative  
 Not classified based on available data.

**In vivo**

**Product:** Not classified based on available data.

### 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.

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Other effects: No data available.

## 12. Ecological information

### Ecotoxicity:

#### Acute 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:

月桂醇聚醚-12 Category 2 (98)

Polyoxyethylene(12)

lauryl ether

#### Chronic hazards to the aquatic environment

##### Fish

Product: No data available.

##### Aquatic Invertebrates

Product: No data available.

##### Components:

月桂醇聚醚-12 Category 3 (98)

Polyoxyethylene(12)

lauryl ether

#### 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.

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### 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:

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

### 16. Other Information

**Issue Date:** 2023.04.10  
**Version #:** 1.0

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**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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**Reference:**  
(98): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (May 2021)