

Product name:  
EMULGEN 220

# SAFETY DATA SHEET

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

Product name:  
EMULGEN 220

Product No.: B0001940

### 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
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2

#### Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist	100 %
Environmental Hazards	
Acute hazards to the aquatic environment	Category 2

#### 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:** Warning

**Hazard Statement:** Harmful if swallowed.  
 May be harmful in contact with skin.  
 Causes mild skin irritation.  
 Causes serious eye irritation.  
 Toxic to aquatic life.

**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. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell.

**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 (%)
聚氧乙烯(13)十六烷基硬脂基醚 Polyoxyethylene(13) cetyl-stearyl ether	-	68439-49-6	

**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.

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**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.

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

**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, 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:** Sweep or vacuum spills to drums or containers.

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

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## 7. Handling and storage

### Handling

<b>Technical measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Local/Total ventilation:</b>	Use an adequate ventilation.
<b>Safe handling advice:</b>	Keep away from source of ignition. Do not eat, drink or smoke when using the product. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep away from source of ignition. Keep container tightly closed. Store in a well-ventilated place.
<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.

<b>Engineering measures:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Safety glasses
<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>	Wax
<b>Color:</b>	White to pale yellow

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<b>Odor:</b>	Slight characteristic odor
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	93 °F/34 °C
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	496 °F/258 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	47 mPa.s (122 °F/50 °C) 35 mPa.s (140 °F/60 °C) 29 mPa.s (158 °F/70 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	Soluble in ethyl alcohol Soluble in acetone and hexane
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.9958 g/ml (122 °F/50 °C) 0.9877 g/ml (140 °F/60 °C) 0.9797 g/ml (158 °F/70 °C)
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Has low reactivity.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.

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**Hazardous Decomposition Products:**

No data available.

## 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:** 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:**

聚氧乙烯(13)十六烷基硬脂基醚  
 Polyoxyethylene(13) cetyl-stearyl ether  
**Category 3: (96)**

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Components:**

聚氧乙烯(13)十六烷基硬脂基醚  
 Polyoxyethylene(13) cetyl-stearyl ether  
**Category 2: (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:** No data available.  
 Not classified based on available data of component(s).

### 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).

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**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.

<b>12. Ecological information</b>
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**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:**

聚氧乙烯(13)十六烷基  
 硬脂基醚      Category 2: (96)  
 Polyoxyethylene(13)  
 cetyl-stearyl ether

**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:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

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**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:**

<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



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## 16. Other Information

**Issue Date:** 2022.11.14

**Version #:** 1.0

**Organization that prepared the SDS and SDS Author:**

**SDS Author:** Kao (Taiwan) Corporation  
10 F., No. 207, Sec 3, Pei-Hsin Rd., Hsin-Tien District, New Taipei City  
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:**  
(96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)