

SAFETY DATA SHEET

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

GHS Product identifier: EMULGEN 120

Other means of identification

SDS number: B0067345

Recommended use of the chemical and restrictions on use

Recommended use: Not available.

Recommended restrictions: Not known.

Supplier's details

Manufacturer

Company Name: Kao Singapore Private Limited
Address: 83 Clemenceau Avenue #16-08 UE Square Singapore 239920
Telephone: +65-6471-2811
Fax: +65-6836-3290
Division: -

Emergency telephone number: +65-3158 1074(For chemical emergencies only)

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information:

Health Hazards

Acute toxicity (Oral)	Category 4
Serious Eye Damage/Eye Irritation	Category 1

Label Elements

Pictograms:



Signal Word: Danger

Hazard Statement: Harmful if swallowed.
Causes serious eye damage.

Precautionary Statements

Prevention: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear 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/doctor. IF ON SKIN: Gently wash with plenty of water and soap.

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	Concentration*
Polyoxyethylene(12) lauryl ether	No data available.	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: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. 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:	Sweep or vacuum spills to drums or containers.
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. Do not eat, drink or smoke when using the product. Use an adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required.
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

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.
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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:	solid
Form:	Solid
Color:	White to pale yellow
Odor:	Slight characteristic odor
Odor Threshold:	No data available.
pH:	4.0 - 6.0 5% solution
Melting Point:	45.5 °C
Boiling Point:	No data available.

Flash Point:	212.0 °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:	1.014 g/ml (40.0 °C) 1.007 g/ml (50.0 °C) 1.0 g/ml (60.0 °C)
Relative density:	No data available.
Solubility in Water:	Very Soluble
Solubility (other):	Soluble in ethyl 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:	56.0 mPa.s (40.0 °C) 39.0 mPa.s (50.0 °C) 28.0 mPa.s (60.0 °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: 500 mg/kg
Dermal Product:	No data available. Not classified based on available data of component(s).
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.
Not classified based on available data of component(s).

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Polyoxyethylene(12)
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: No data available.
Not classified based on available data of component(s).

Germ Cell Mutagenicity**In vitro**

Product: Ames test (TA98, TA100): Negative (Data on equivalent product)
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: No data available.

Aquatic Invertebrates

Product: EC 50 (Daphnia, 48 h): 1.76 mg/l (Data on similar product)

Toxicity to Aquatic Plants

Product: No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: 100 % (28 d) BOD Readily biodegradable (Data on equivalent product)
99 % (28 d) DOC Readily biodegradable (Data on equivalent product)

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

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):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

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

Issue Date: 2021.03.16

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 (96): CESIO RECOMMENDATIONS for the harmonized classification and labelling of surfactants (March 2017)