

SAFETY DATA SHEET

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

GHS Product identifier: FERMOL 1000

Other means of identification

SDS number: B0003549

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: +65-6471-2811

2. Hazard(s) identification

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

Not classified

Label Elements

The substance or product does not require a hazard warning label in accordance with the GHS directive.

Pictograms: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Prevention: Wash thoroughly after handling. If needed, use personal protective equipment as required.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Gently wash with plenty of water and soap. Call a POISON CENTER or doctor if you feel unwell.

Storage: Store in a well-ventilated place.

Disposal: -

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

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Concentration*
**	Glycerol poly(oxypropylene) poly(oxyethylene) ether	**	

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

Trade secret information: ** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Composition Comments: No hazardous ingredients.

4. First-aid measures**Description of necessary first-aid measures**

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

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.

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.

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.

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: Do not discharge into the drains, surface waters or ground water directly.

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. Use an adequate ventilation. Wash thoroughly after handling. If needed, 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 glasses

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: Pale yellow, clear

Odor: Slight characteristic odor

Odor Threshold: No data available.

pH: Not applicable

Freezing point: -30.0 °C

Boiling Point: No data available.

Flash Point: 201.0 °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: 1.023 g/ml (30.1 °C)

	1.015 g/ml (40.1 °C)
	1.01 g/ml (46.1 °C)
Relative density:	No data available.
Solubility in Water:	The product has poor water-solubility.
Solubility (other):	No data available.
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:	583.0 mPa.s (30.1 °C)
	341.0 mPa.s (40.1 °C)
	261.0 mPa.s (46.1 °C)

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable in general.
Possibility of hazardous reactions:	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:	No data available. Not classified based on available data of component(s).
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Dermal

Product:	No data available. Not classified based on available data of component(s).
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Inhalation

Product:	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: Classification not possible due to insufficient data.
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Skin Corrosion/Irritation

Product:	Classification not possible due to insufficient data.
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Serious Eye Damage/Eye Irritation

Product:	Classification not possible due to insufficient data.
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Respiratory or Skin Sensitization

Product:	Skin: Classification not possible due to insufficient data. Respiratory: Classification not possible due to insufficient data.
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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: 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.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: Classification not possible due to insufficient data.

Aquatic Invertebrates
Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants
Product: No data available.

Chronic hazards to the aquatic environment:

Fish
Product: Classification not possible due to insufficient data.

Aquatic Invertebrates
Product: Classification not possible due to insufficient data.

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.**Known or predicted distribution to environmental compartments**Glycerol poly(oxypropylene) No data available.
poly(oxyethylene) ether**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):	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: 01.03.2021

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.