

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

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

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

**Product No.:** B0002193

**Recommended use and restriction on use**

**Recommended use:** Glycerine.  
**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

Emergency Overview: Colorless clear Viscous liquid. Odor: Almost odorless. Hazard statements: Not classified  
 Notes to physician: Get medical attention if symptoms occur.

**GHS classification**

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: Wash with plenty of soap and water. Call a POISON CENTER/doctor if you feel unwell.

**Storage:** Store in a well-ventilated place.

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

**Disposal:** -

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

**Physical and Chemical Hazards:** None.

**Health Hazards:** None.

**Environmental Hazards:** None.

### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Glycerine	-	56-81-5	100%

**Composition Comments:** No hazardous ingredients.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation:</b>	Remove person to fresh air and keep comfortable for breathing.
<b>Skin Contact:</b>	Gently wash with plenty of soap and water.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion:</b>	Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.
<b>Personal Protection for First-aid Responders:</b>	No data available.

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

#### Indication of immediate medical attention and special treatment needed

<b>Treatment:</b>	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

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

**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.

**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.

**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.

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

**Prevention of secondary hazards:** Keep away from sources of ignition and prepare extinguishing media.

**7. Handling and storage**

**Handling**

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

**Local/Total ventilation:** Use an adequate ventilation.

**Safe handling advice:** Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required.

**Contact avoidance measures:** No data available.

**Storage**

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

**Safe packaging materials:** No data available.

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
甘油	TWA	8 mg/m <sup>3</sup>	中国《工作场所有害因素职业接触限值·化学因素》(GBZ 2.1) 修订版 (08 2019)
Glycerine - Respirable particles.	TWA	3 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (01 2021)
Glycerine - Inhalable particles.	TWA	10 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended (01 2021)

**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

<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>	Liquid
<b>Form:</b>	Viscous liquid
<b>Color:</b>	Colorless clear
<b>Odor:</b>	Almost odorless
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	64 °F/18 °C
<b>Boiling Point:</b>	554 °F/290 °C
<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>	320 °F/160 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	727 °F/386 °C
<b>Decomposition Temperature:</b>	No data available.

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

<b>pH:</b>	5.5 - 6.5 (33% solution)
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	276.1 mPa.s (104 °F/40 °C) 145.9 mPa.s (122 °F/50 °C) 32.2 mPa.s (176 °F/80 °C)
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Very Soluble
<b>Solubility (other):</b>	Soluble in lower alcohols Insoluble in chloroform and ether
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	1,300 Pa (333.0 °F/167.2 °C)
<b>Relative density:</b>	No data available.
<b>Density:</b>	1.263 g/ml (59 °F/15 °C) 1.2594 g/ml (77 °F/25 °C) 1.242 g/ml (122 °F/50 °C)
<b>Relative vapor density:</b>	3.2
<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>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No special hazardous and harmful combustion or decomposition.

## 11. Toxicological information

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

<b>Oral</b>	
<b>Product:</b>	No data available. Not classified based on available data of component(s).
<b>Dermal</b>	
<b>Product:</b>	No data available. Not classified based on available data of component(s).

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

**Inhalation**

**Product:** Dusts, mists and fumes: No data available.  
 Not classified based on available data of component(s).  
 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.  
 Not classified based on available data of component(s).

**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 similar product)  
 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.

**Other effects:** No data available.

<b>12. Ecological information</b>
-----------------------------------

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

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

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

**Aquatic Invertebrates**

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

**Toxicity to Aquatic Plants**

**Product:** No data available.

**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.

**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**

**IMDG**

Not Regulated

**IATA**

Not Regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Product name:**  
 GLYCERIN(COSMETIC GRADE)

### National Regulations

**Domestic Standard:** In compliance with domestic law.

## 15. National and international regulatory information

Should comply with local regulations in respect of this product.

#### China. Catalog of Hazardous Chemicals

Not Regulated

#### China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)

Not Regulated

#### China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)

Not Regulated

#### China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)

Not Regulated

#### 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>	Contact us for information
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

## 16. Other Information

<b>Issue Date:</b>	11.10.2022
<b>Version #:</b>	1.0
<b>Further Information:</b>	No data available.
<b>Revision Information</b>	Not relevant.
<b>Training information</b>	No data available.



**Product name:**  
GLYCERIN(COSMETIC GRADE)

---

**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.