



SAFETY DATA SHEET

According to 1907/2006 EC

SECTION 1: Identification

Product Name: PEG-4000 (Polyethylene Glycol)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Fortune Top Pte Ltd.
No.811, Zhongzheng Rd, New Taipei City,
Taiwan, R.O.C.
Emergency information: Tel: +886-2-2222-7680

SECTION 2: Hazards identification

Product hazard class: This preparation is not hazard.

Label content:

Hazard communication elements: None.

Other hazards: -

SECTION 3: Composition

Composition	CAS Number	%
Polyethylene Glycol	25322-68-3	99.9-100%

Hazardous ingredient	CAS Number	%
None		

SECTION 4: First aid measures

The first aid measures for different exposure routes:

Inhalation: Remove to fresh air.

Skin Contact: Wash thoroughly with soap and water and seek medical attention if reaction occurs.

Eye Contact: Bathe eyes with running water for 15 minutes

Ingestion: Rinse mouth out with water. Do not induce vomiting. Seek medical attention if reaction occurs.

The most important symptoms and hazardous effects:

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be mild irritation of the throat.



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The protection of first-aiders: None.
Notes to physicians: None.
SECTION 5: Firefighting measures
Suitable fire extinguishing media: Use dry chemical, foam or water spray. Water can be used to cool fire exposed containers.
Specific hazards may be encountered during fire-fighting: None.
Specific fire-fighting methods: None.
Special equipment for the protection of firefighters: None.
SECTION 6: Accidental release measures
Personal precautions: Avoid contact with liquid and vapors. Wear suitable protective equipment.
Environmental precautions: Avoid entering sewers or natural waters.
Methods for cleaning up: Cover with inert absorbent material (e.g. sand, sawdust) Collect as far as possible the resulting mass and discard the remainder by spraying water.
Section 7: Handling and Storage
Handling: Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Avoid breathing mist. Keep container closed. Do not take internally.
Storage: Use reasonable care and store away from oxidizing materials. Store in a cool, dry, well ventilated area in original packaging.
Section 8: Exposure Controls/Personal Protection
Engineering control: Local Ventilation: Recommended. General Ventilation: Recommended. monitored at the workplace. Control parameters: Component Exposure Limits There are no components with workplace exposure limits.
Personal protective equipment: Respiratory protection: Respiratory protection not required. Hand protection: Protective gloves. Eye protection: Safety glasses. Skin and body protection: Wear overalls and boots.



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Section 9: Physical and Chemical Properties

Appearance	: Paste
Colour	: Milky white
Odour	: No data available
pH value (1% aqueous solution)	: No data available
Flammability (solid, gas)	: No data available
Decomposition temperature	: No data available
Auto-ignition temperature	: No data available
Vapor pressure	: No data available
Vapor pressure at 20 °C (68 °F)	: No data available
Density at 20 °C (68 °F)	: No data available
Partition coefficient (n-octanol/water,log Kow)	: No data available
Melting Point	: 55°C
Boiling point	: No data available
Ignition temperature	: No data available
Explosion limits	: No data available
Vapor density	: No data available
Solubility	: Soluble
Chemical reactivity	: No data available
Evaporation rate	: No data available
Flash point (°C)	: No data available
Test method	: Closed cup

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and storage conditions.

Possible hazardous reactions under specific conditions: None.

Conditions to avoid: None.

Materials to avoid: Oxidizing material.

Hazardous decomposition products: None

Section 11: Toxicological information

Information on toxicological effects

Acute toxicity:

Orl-Rat LD50:45 g/kg

LD/LC50 values that are relevant for classification: No data

Skin irritation or corrosion: May cause irritation

Eye irritation or corrosion: May cause irritation

Sensitization: No sensitizing effects known.

Germ cell mutagenicity: No effects known.

Carcinogenicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains tumorigenic and/or carcinogenic and/or neoplastic data for this substance.



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No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

Reproductive toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for this substance.

Specific target organ system toxicity - repeated exposure: No effects known.

Specific target organ system toxicity - single exposure: No effects known.

Aspiration hazard: No effects known.

Subacute to chronic toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance.

Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

Section 12: Ecological information

Toxicity

Toxicity to the fish:

Static test LC50-Other fish-> 10,000 mg/l-96 h

Method: OECD Test Guide 203

For water and other aquatic invertebrates Toxicity of the animals: No data available.

Toxicity to algae: No data available.

Bacterial toxicity: No data available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Section 13: Disposal Considerations

Methods of waste disposal:

Chemicals must be disposed of in compliance with the respective national regulations.

In case of small amount, rinses with water.

Spill or Leak: In case of small amount, washes with water; In case of large amount, fences by non-flammable material and recovers.

Section 14: Transport information

United Nations number (UN No):

Not Regulated as a hazardous material by DOT, IMO, or IATA.

UN Proper shipping name: None



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Transport hazard class(es): None	
Packing group: None	
Marine pollutant (Yes/No): NO	
Specific transport measures and precautionary conditions: None	
Section 15: Regulatory Information	
ERMA NEW ZEALAND HSNO Chemical Classification 6.3A Irritating To The Skin 6.4A Irritating To The Eyes Labelling according to EC directive EC Risk Phrases(R-phrases): R36/38 Irritating to eyes and irritating to skin. EC Safety Phrases(S-phrases): S26 In case of contact with eyes rinse and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap-suds. S36 Wear suitable protective clothing. S37 Wear suitable gloves. S39 Wear eye / face protection.	
Section 16: Other Information	
Literature references 1.OHS MSDS Date Base 2. Niosh - Registry of Toxic Effects of Chemical Substances 3.Globally Harmonized System Of Classification And Labeling Of Chemicals	
Organization that prepared the MSDS	Name: Fortune Top Pte Ltd Address/telephone number: No.811, Zhongzheng Rd. Zhonghe District, New Taipei City, Taiwan, R.O.C. Tel: +886-2-2222-7680, Fax: +886-2-222
Person who prepared the MSDS	Title: R&D- Manager; Name: Milton Lai
Date that the MSDS was revised	2023/01/01