

## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product name:** Polyethylene Glycol 4000  
**CAS #:** 25322-68-3

**Product use:** For laboratory research purposes.  
**Restrictions on use:** Not for drug or household use.

#### Details of the supplier of the safety data sheet

Company  
Lab Alley, LLC  
12501 Pauls Valley Road, Suite A,  
Austin, TX 78737 U.S.A

Telephone 512-668-9918  
Fax 512-886-4008  
Company

#### Emergency telephone

**Emergency Phone #** US & Canada: 1-800-535-5053      INFOTRACK  
International 1-352-323-3500      INFOTRACK

### 2. HAZARD(S) IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200:** Not classifiable  
**WHMIS 2015:**

**Signal word:** None

**Hazard Statement(s):** None

**Pictogram(s) or Symbol(s):** None

**Precautionary Statement(s):** None

**Hazards not otherwise classified:** None.  
[HNOC]

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture:** Substance  
**Components:** Polyethylene Glycol 4000  
**Percent:** ....  
**CAS RN:** 25322-68-3  
**Chemical Formula:** ----  
**Synonyms:** PEG 4,000

## 4. FIRST-AID MEASURES

### Description of first aid measures

<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Skin contact:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	Get medical advice/attention if you feel unwell. Rinse mouth.

### Symptoms/effects:

<b>Acute:</b>	No data available
<b>Delayed:</b>	No data available

### Indication of any immediate medical attention:

Not available.

### Notes to physician:

No data available

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Dry chemical, foam, water spray, carbon dioxide.
<b>Hazardous combustion products:</b>	None
<b>Other specific hazards:</b>	Closed containers may explode from heat of a fire.
<b>Advice for firefighters:</b>	Wear self-contained breathing apparatus if possible.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
<b>Environmental precautions:</b>	Prevent product from entering drains.
<b>Methods and materials for containment and cleaning up:</b>	Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage conditions:</b>	Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.
<b>Packaging material:</b>	Comply with laws.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Appropriate engineering controls:</b>	Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
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### Personal protective equipment

<b>Respiratory protection:</b>	Dust respirator. Follow local and national regulations.
<b>Hand protection:</b>	Protective gloves.
<b>Eye protection:</b>	Safety glasses. A face-shield, if the situation requires.
<b>Skin and body protection:</b>	Protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state (20°C):** Solid  
**Form:** Crystal - Powder  
**Colour:** White - Almost white  
**Odour:** No data available  
**Odor threshold:** No data available  
**Odour threshold:** No data available

**Melting point/freezing point:** 58°C (136°F)  
**Boiling point/range:** No data available  
**Decomposition temperature:** No data available  
**Relative density:** No data available  
**Kinematic viscosity:** No data available  
**Log Pow:** No data available

**pH:** No data available  
**Vapour pressure:** No data available  
**Vapour density:** No data available  
**Dynamic Viscosity:** No data available

**Evaporation rate(Butyl Acetate=1):** No data available

**Flash point:** No data available  
**Flammability(solid, gas):** No data available

**Autoignition temperature:** No data available  
**Flammability or explosive limits:**  
**Lower:** No data available  
**Upper:** No data available

**Solubility(ies):**  
**[Water]** Soluble  
**[Other solvents]** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available  
**Chemical stability:** Stable under proper conditions.  
**Possibility of hazardous reactions:** No special reactivity has been reported.  
**Incompatible materials:** Oxidizing agents  
**Hazardous decomposition products:** Carbon monoxide, carbon dioxide etc

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** TQ4050000

### Acute Toxicity:

skn-rbt LD50:>20 g/kg  
ipr-rat LD50:9700 mg/kg

ori-rat LD50:50 g/kg  
ivn-rat LD50:7500 mg/kg

### Skin corrosion/irritation:

skn-rbt 500 mg open MLD

### Serious eye damage/irritation:

eye-rbt 500 mg MLD

### Respiratory or skin sensitization:

No data available

### Germ cell mutagenicity:

No data available

### Carcinogenicity:

No data available

**IARC:** No data available

**NTP:** No data available

**OSHA:** No data available

### Reproductive toxicity:

No data available

### Target organ(s):

No data available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Fish:	No data available
Crustacea:	No data available
Algae:	No data available

Persistence / degradability: No data available

Bioaccumulative potential(BCF): No data available

### Mobility in soil

Log Pow:	No data available
Soil adsorption (Koc):	No data available
Henry's Law (PaM <sup>3</sup> /mol):	No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal of product:	Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.
Disposal of container:	Dispose of as unused product.
Other considerations:	Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

<u>DOT (US)</u>	Non-hazardous for transportation.
<u>IATA</u>	Non-hazardous for transportation.
<u>IMDG</u>	Non-hazardous for transportation.

## 15. REGULATORY INFORMATION

### Toxic Substance Control Act (TSCA 8b.):

This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

### US Federal Regulations

#### CERCLA Hazardous substance and Reportable Quantity:

SARA 313:	Not Listed
SARA 302:	Not Listed

### State Regulations

#### State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed

California Proposition 65: Not Listed

### Other Information

#### NFPA Rating:

Health:	0
Flammability:	1
Instability:	0

#### HMIS Classification:

Health:	0
Flammability:	1
Physical:	0

### International Inventories

Canada: DSL	On DSL
EC-No:	500-038-2

## **16. OTHER INFORMATION**

**Date of Issue:** 04/23/2024

## **17. Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.