

### SECTION 1 Identification

#### 1.1. Product identifier

|               |   |
|---------------|---|
| Product form  | : Substance   |
| Trade name    | : POLY-G® 21-112  |
| Chemical name | : POLYETHER DIOL  |
| CAS-No.       | : 25322-68-3  |
| Formula       | : (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> H <sub>2</sub> O |

#### 1.2. Other means of identification

|          |  |
|----------|--|
| Synonyms | : Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- / Polyethylene glycol 6000 / Polyethylene glycol ether / Polyethylene glycols / PEG-10 / Polyethylene glycol 400 / Ethylene oxide polymer / 1,2-Ethanediol, homopolymer / Polyethylene glycol 8000 / PEG / Macrogols / Macrogol / PEG-9 / .alpha.-Hydro-.omega.-hydroxypoly(oxyethylene) / PEG-14 / .alpha.-Hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) / Ethoxylated 1,2-ethanediol / Polyethylene glycol 35 / Polyethylene glycol 115 / Poly(ethylene glycol) 400 / Polyethylene oxide / PEG-100 / PEG-115M / PEG-135 / PEG-14M / PEG-150 / PEG-16 / PEG-160M / PEG-18 / PEG-180 / PEG-180M / PEG-1M / PEG-20 / PEG-200 / PEG-20M / PEG-220 / PEG-23M / PEG-240 / PEG-25M / PEG-2M / PEG-32 / PEG-33 / PEG-350 / PEG-40 / PEG-400 / PEG-45 / PEG-450 / PEG-45M / PEG-500 / PEG-55 / PEG-5M / PEG-60 / PEG-65M / PEG-75 / PEG-7M / PEG-80 / PEG-800 / PEG-90 / PEG-90M / PEG-9M / polyethylene glycol 1600 / Ethylene glycol homopolymer |
|----------|--|

#### 1.3. Recommended use of the chemical and restrictions on use

No additional information available

#### 1.4. Supplier's details

Monument Chemical  
2450 Olin Road  
Brandenburg, KY, 40108  
USA  
T (270)422-6860

[sds@monumentchemical.com](mailto:sds@monumentchemical.com) - [www.monumentchemical.com](http://www.monumentchemical.com)

#### 1.5. Emergency phone number

Emergency number : 24 HR CHEMTREC: 1-800-424-9300 (International +1 703-741-5970); 24 HR Emergency Assistance: 1-270-422-6860

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. Label elements

According to the corresponding national regulations there is no labelling obligation for this product.

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Substance type : UVCB

| Name                                 | Product identifier  | %        |
|--------------------------------------|---------------------|----------|
| POLYETHER DIOL<br>(Main constituent) | CAS-No.: 25322-68-3 | 99 – 100 |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.   |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.                 |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.                         |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.  |

### 4.2. Most important symptoms/effects, acute and delayed

|   |  |
|---|--|
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                        |
| Symptoms/effects                                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

### 5.2. Specific hazards arising from the chemical

No additional information available

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### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

See Heading 8. Exposure controls and personal protection.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

### 7.2. Conditions for safe storage, including incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

No additional information available

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

|                                    |
|------------------------------------|
| <b>Hand protection:</b>            |
| Wear protective gloves.            |
| <b>Eye protection:</b>             |
| Chemical goggles or safety glasses |
| <b>Respiratory protection:</b>     |
| Wear appropriate mask              |

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|   |                           |
|---|---------------------------|
| Physical state                                  | : Solid                   |
| Appearance                                      | : White solid.            |
| Color   | : white                   |
| Odor  | : mild                    |
| Odor threshold                                  | : No data available       |
| pH  | : 5.5 – 7.5 (@ 25 Deg. C) |
| Melting point                                   | : No data available       |
| Freezing point                                  | : 38 – 46 °C              |
| Boiling point                                   | : 205.7 °C (at 977.6 hPa) |
| Flash point                                     | : 260 °C (Open cup)       |
| Flammability (solid, gas)                       | : Non flammable.          |
| Vapor pressure                                  | : < 0.01 mm Hg (at 20 °C) |
| Relative vapor density at 20°C                  | : No data available       |
| Relative density                                | : 1.1 (@ 25 Deg. C)       |
| Density   | : ~ 9.2 lb/gal            |
| Molecular mass                                  | : 950 – 1550 g/mol        |
| Solubility                                      | : Soluble in water.       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available       |
| Auto-ignition temperature                       | : No data available       |
| Decomposition temperature                       | : No data available       |
| Viscosity, kinematic                            | : No data available       |
| Explosion limits                                | : No data available       |
| Particle characteristics                        | : No data available       |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

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### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### POLYETHER DIOL (25322-68-3)

|                    |                         |
|--------------------|-------------------------|
| LD50 oral rat      | > 5000 mg/kg            |
| LD50 dermal rabbit | > 2000 mg/kg            |
| ATE US (oral)      | 47000 mg/kg body weight |

Skin corrosion/irritation : Not classified  
pH: 5.5 – 7.5 (@ 25 Deg. C)

Serious eye damage/irritation : Not classified  
pH: 5.5 – 7.5 (@ 25 Deg. C)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

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### POLYETHER DIOL (25322-68-3)

|                 |  |
|-----------------|--|
| LC50 - Fish [1] | > 100 mg/l Test organisms (species): Poecilia reticulata |
|-----------------|--|

### 12.2. Persistence and degradability

#### POLYETHER DIOL (25322-68-3)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

#### POLYETHER DIOL (25322-68-3)

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                                     |
|------------------------------|-------------------------------------|
| Ozone                        | : Not classified                    |
| Fluorinated greenhouse gases | : No                                |
| Other information            | : Avoid release to the environment. |

## SECTION 13 Disposal considerations

|  |   |
|--|---|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| Ecological waste information               | : Avoid release to the environment.                                       |

## SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN Proper Shipping Name

|                             |                 |
|-----------------------------|-----------------|
| Proper Shipping Name (DOT)  | : Not regulated |
| Proper Shipping Name (IMDG) | : Not regulated |
| Proper Shipping Name (IATA) | : Not regulated |

### 14.3. Transport hazard class(es)

**DOT**  
Transport hazard class(es) (DOT) : Not regulated

**IMDG**  
Transport hazard class(es) (IMDG) : Not regulated

**IATA**  
Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

|                      |                 |
|----------------------|-----------------|
| Packing group (DOT)  | : Not regulated |
| Packing group (IMDG) | : Not regulated |

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Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

## SECTION 15 Regulatory information

### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

##### POLYETHER DIOL (25322-68-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

##### POLYETHER DIOL (25322-68-3)

Listed on the EU NLP (No Longer Polymers) inventory

#### National regulations

##### POLYETHER DIOL (25322-68-3)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

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### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

|                   |            |
|-------------------|------------|
| Revision date     | : 4/1/2026 |
| Issue date        | : 4/1/2026 |
| Other information | : None.    |

Safety Data Sheet (SDS), USA

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