

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : POLY-G® 73-490

1.2. Other means of identification

No additional information available

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 - 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

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

Not applicable

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3.2. Mixtures

Name	Product identifier	%
PROPOXYLATED SORBITOL	CAS-No.: 52625-13-5	40 – 90
Polyether Diol	CAS-No.: 25322-69-4	10 – 60

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

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

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.
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For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

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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 : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. 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

Polyether Diol (25322-69-4)

USA - AIHA - Occupational Exposure Limits

WEEL TWA	10 mg/m ³ (aerosol)
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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.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

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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	: Liquid
Appearance	: Pale yellow or light brown oily liquid.
Color	: light yellow
Odor	: mild
Odor threshold	: No data available
pH	: 7 – 9 (@ 25 Deg. C)
Melting point	: No data available
Freezing point	: < -25 °C
Boiling point	: No data available
Flash point	: > 300 °C CC-PM
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: < 0.1 mm Hg (@ 25 Deg. C)
Relative vapor density at 20°C	: No data available
Relative density	: ~ 1.09
Density	: ~ 1.09 g/ml
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

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.

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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

PROPOXYLATED SORBITOL (52625-13-5)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Polyether Diol (25322-69-4)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.34 mg/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity)

Skin corrosion/irritation : Not classified
pH: 7 – 9 (@ 25 Deg. C)

Serious eye damage/irritation : Not classified
pH: 7 – 9 (@ 25 Deg. C)

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

PROPOXYLATED SORBITOL (52625-13-5)

NOAEL (animal/male, F0/P)	≥ 1000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	300 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

PROPOXYLATED SORBITOL (52625-13-5)

NOAEL (oral,rat,90 days)	≥ 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
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Polyether Diol (25322-69-4)

NOAEL (subchronic,oral,animal/male,90 days)	443 mg/kg body weight Animal: cat, Animal sex: male
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Aspiration hazard : Not classified

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PROPOXYLATED SORBITOL (52625-13-5)

Viscosity, kinematic	60450 mm ² /s
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

PROPOXYLATED SORBITOL (52625-13-5)

LC50 - Fish [1]	> 1000 mg/l <i>Leuciscus idus</i>
EC50 - Crustacea [1]	> 1000 mg/l (Other, 48 h, <i>Acartia tonsa</i> , Static system, Salt water, Experimental value, GLP)
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): other:other algae: <i>Desmodesmus subspicatus</i>
EC50 72h - Algae [2]	> 1000 mg/l Test organisms (species): <i>Skeletonema costatum</i>
ErC50 algae	> 1000 mg/l (ISO 10253, 72 h, <i>Skeletonema costatum</i> , Static system, Salt water, Experimental value, GLP)
LOEC (chronic)	> 10 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'
NOEC (chronic)	≥ 10 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

Polyether Diol (25322-69-4)

LC50 - Fish [1]	> 10000 mg/l Rainbow trout
EC50 - Crustacea [1]	> 109 mg/l Test organisms (species): <i>Daphnia magna</i>
LC50 - Fish [2]	1700 mg/l Bluegill
EC50 - Crustacea [2]	> 100 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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PROPOXYLATED SORBITOL (52625-13-5)

Persistence and degradability	Not readily biodegradable in water.
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Polyether Diol (25322-69-4)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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PROPOXYLATED SORBITOL (52625-13-5)

Partition coefficient n-octanol/water (Log Pow)	-2.33 – 1.8 (Calculated, Other, 25 °C)
Bioaccumulative potential	Not bioaccumulative.

Polyether Diol (25322-69-4)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

PROPOXYLATED SORBITOL (52625-13-5)

Surface tension	56.19 mN/m (20 °C, 0.1 vol %, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	< 1.25 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

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
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Packing group (IMDG) : Not regulated
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

PROPOXYLATED SORBITOL (52625-13-5)

Listed on the Canadian DSL (Domestic Substances List)

Polyether Diol (25322-69-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

PROPOXYLATED SORBITOL (52625-13-5)

Listed on the EU NLP (No Longer Polymers) inventory

Polyether Diol (25322-69-4)

Listed on the EU NLP (No Longer Polymers) inventory

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National regulations

PROPOXYLATED SORBITOL (52625-13-5)

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)

Polyether Diol (25322-69-4)

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 INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

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)

Revision date : 7/30/2025
Issue date : 7/30/2025
Other information : None.

Safety Data Sheet (SDS), USA

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