POLY-G® 30-56
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 05/29/2015 Revision date: 05/29/2015 Supersedes: 07/30/2013

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>POLY-G® 30-56</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Polyester Triol</td>
</tr>
<tr>
<td>CAS No</td>
<td>25791-96-2</td>
</tr>
<tr>
<td>Formula</td>
<td>(C3H6O)x.(C3H6O)x.(C3H6O)x.C3H8O3</td>
</tr>
<tr>
<td>Synonyms</td>
<td>Glycerol poly(oxypropylene)triol / Glycerol tri(polyoxypropylene) ether / Glycerol, propoxylated / Glycerol polyoxypropylene glycol ether / Glycols, polypropylene, 1,2,3-propanetriyl ether / Poly(oxypropylene) glycerol triether / Poly(oxypropylene)glycerol ether / Poly[(oxy(methyl-1,2-ethanediyl))], alpha.,alpha.,alpha.,alpha.,alpha.,alpha.,1,2,3-propanetriyltris[omega.-hydroxy-] / Polypropylene glycol glycerol triether / 1,2,3-Propanetriol, methyloxirane polymer / Propylene oxide-glycerol polymer / Trihydroxy polyoxypropylene ether (330) / Glycerol propylene oxide polymer / Glycerol polyoxypropylene triol / PPG-10 GLYCERYL ETHER / Glycerin propoxylate / Glycerol propoxylated / Glycerol polyoxypropylene glycol triether / Poly[oxy(methyl-1,2-ethanediyl)], alpha.,alpha.,alpha.,alpha.,alpha.,alpha.,1,2,3-propanetriyltris[omega.-hydroxy-] / Propoxylated glycerin / Poly(oxypropylene) glycerol triol / Glycerol tri(polyoxypropylene) ether / Glycerol, propoxylated / Glycerol polyoxypropylene glycol ether / Glycols, polypropylene, 1,2,3-propanetriyl ether / Poly(oxypropylene) glycerol triether / Poly(oxypropylene) glycerol ether / Poly[(oxy(methyl-1,2-ethanediyl))], alpha.,alpha.,alpha.,alpha.,alpha.,alpha.,1,2,3-propanetriyltris[omega.-hydroxy-] / Polypropylene glycol glycerol triether / 1,2,3-Propanetriol, methyloxirane polymer / Propylene oxide-glycerol polymer / Trihydroxy polyoxypropylene ether (330) / Glycerol propylene oxide polymer / Glycerol polyoxypropylene triol / PPG-10 GLYCERYL ETHER / Glycerin propoxylate / Glycerol propoxylated / Glycerol polyoxypropylene glycol triether / Poly[oxy(methyl-1,2-ethanediyl)], alpha.,alpha.,alpha.,alpha.,alpha.,alpha.,1,2,3-propanetriyltris[omega.-hydroxy-] / Laprol-503 / Trihydroxypolyoxypropylene ether(330) / Poly[(oxy(methyl-1,2-ethanediyl)), alpha.,alpha.,alpha.,alpha.,alpha.,alpha.,1,2,3-propanetriyltris[omega.-hydroxy-] / Laprol-503</td>
</tr>
</tbody>
</table>

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

Use of the substance/mixture: chemical intermediate for urethane polymer production

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Not classified

2.2. Label elements

GHS-US labeling
No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable
SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether Triol (Main constituent)</td>
<td>(CAS No) 25791-96-2</td>
<td>99 - 100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of 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 victim 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 persist.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

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

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

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

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material 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.

6.4. Reference to other sections

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 any incompatibilities

**Storage conditions**: Keep only in the original container in a cool, well ventilated place away from: Ignition sources, Incompatible materials. Keep container closed when not in use.

**Incompatible products**: Strong bases. Strong acids.

**Incompatible materials**: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Polyether Triol (25791-96-2)</th>
<th>ACGIH</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS HA</td>
<td></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Personal protective equipment**: Avoid all unnecessary exposure.

- **Hand protection**: Wear protective gloves.
- **Eye protection**: Chemical goggles or safety glasses.
- **Respiratory protection**: Wear appropriate mask.
- **Other information**: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state**: Liquid
- **Appearance**: Colorless to pale yellow liquid.
- **Color**: Colourless to yellow
- **Odor**: Mild
- **Odor threshold**: No data available
- **pH**: 4 - 8 (@ 25 Deg. C) 10/6 Isopropanol / water
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: 150 - 260 °C (Open cup)
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: No data available
- **Explosion limits**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Vapor pressure**: 0.01 - 3.5 mm Hg (@ 25 Deg. C)
- **Relative density**: 0.9 - 1.1
- **Relative vapor density at 20 °C**: No data available
- **Solubility**: Insoluble in water.
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available

9.2. Other information

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.

**10.5. Incompatible materials**
Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Polyether Triol (25791-96-2)</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>4600 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>4600.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH: 4 - 8 (@ 25 Deg. C) 10/6 Isopropanol / water</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serious eye damage/irritation</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH: 4 - 8 (@ 25 Deg. C) 10/6 Isopropanol / water</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Respiratory or skin sensitization</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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

### SECTION 12: Ecological information

**12.1. Toxicity**

<table>
<thead>
<tr>
<th>Polyether Triol (25791-96-2)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 100 mg/l</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

<table>
<thead>
<tr>
<th>Polyether Triol (25791-96-2)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**12.3. Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Polyether Triol (25791-96-2)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**12.4. Mobility in soil**
No additional information available.

**12.5. Other adverse effects**
Other information : Avoid release to the environment.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

**SECTION 14: Transport information**

Department of Transportation (DOT)
In accordance with DOT
Not regulated for transport

Additional information
Other information : No supplementary information available.

ADR
No additional information available

Transport by sea
Not regulated for transport

Air transport
Not regulated for transport

**SECTION 15: Regulatory information**

15.1. US Federal regulations

Polyether Triol (25791-96-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
Polyether Triol (25791-96-2)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
Polyether Triol (25791-96-2)
Listed on the EU NLP (No Longer Polymers) inventory

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Not classified

National regulations
Polyether Triol (25791-96-2)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on Turkish inventory of chemical

15.3. US State regulations
No additional information available

**SECTION 16: Other information**

Revision date : 05/29/2015
Other information: None.

SDS US (GHS HazCom 2012)

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