



Quick Identifier

(as used in label and list)
Propylene Glycol & Water

Safety Data Sheet

Section 1

Product and Company Identification

Common Name

Propylene Glycol & Water

Product Model Number

PROP GLY

Product File Number

920:405-PROP GLY-8

Product Use

Fill Fluid

Manufacturer's Name

Meriam

Emergency Phone Numbers

1-800-255-3924 (US), + 01 813 248 0585 (International)

Address

10920 Madison Ave.

Engineering Control Data

MSDS - A35809, Rev. M, EO 7519
Drawing - A34045

City, State, Zip

Cleveland, Ohio 44102

Date Prepared

20-Nov-2015

Section 2

Hazards Identification

GHS label elements

Precautionary statements

Prevention:

P102: Keep out of Reach of children.

Response:

P305 + P351 + P338: If in eyes:

- Rinse cautiously with water for several minutes.
- Remove contact lenses, if present and easy to do.
- Continue rinsing.

P302 + P350: If on skin:

- Gently wash with plenty of soap and water.

P301: If swallowed:

- Call a doctor immediately.

Storage:

P402 + P404:

- Store in a dry place.
- Store in a closed container.

P405:

- Store in a secure manner.

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national and international regulations.

Section 3

Composition/Information on Ingredients

1. Chemical name: Propylene Glycol

CAS No: 57-55-6

OSHA/PEL: N/A

ACGIH/TLV: N/A

Percentage: 68

2. Chemical name: Water

CAS No: 7732-18-5

OSHA/PEL: N/A

ACGIH/TLV: N/A

Percentage: 32

Section 4

First Aid Measures

Eye:

- Flush eyes with water for 15 minutes.
- Get medical attention.

Skin:

- Wash with soap and water.
- Get medical attention if irritation develops or persists.

Ingestion:

- Immediately drink two glasses of water or milk.
- Do not induce vomiting.
- Get medical attention.

Inhalation:

- Remove victim to fresh air.
- If not breathing, give artificial respiration or give oxygen by trained personnel.
- Seek immediate medical attention.

Section 5

Fire Fighting Measures

Suitable extinguishing media

Small fires: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray or firefighting foam.

Large fires:

- Water spray, fog or firefighting foam.
- Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.
- Keep containers and surroundings cool with water spray.

Fire Fighting Procedures:	<ul style="list-style-type: none"> • Isolate area around container involved in fire. • Cool tanks, shells, and containers exposed to fire and excessive heat with water. • For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. • Major fires may require withdrawal, allowing the tank to burn. • Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied firefighting foam. • Exposure to decomposition products may be a hazard to health. • Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. • Use water spray to cool unopened containers. • Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Unusual Fire and Explosion Hazards:	None.
Combustion Products:	None.

Section 6 **Accidental Release Measures**

Small fires:	Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray or firefighting foam.
Large fires:	<ul style="list-style-type: none"> • Water spray, fog or firefighting foam. • Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers. • Keep containers and surroundings cool with water spray.

Environmental precautions

Water Spill:	<ul style="list-style-type: none"> • Keep material out of storm sewers and ditches that lead to waterways.
Land Spill:	<ul style="list-style-type: none"> • Spills and releases may have to be reported to federal and/or local authorities.
Air Spill:	<ul style="list-style-type: none"> • Control or stop the loss of volatile materials to the atmosphere.

Special Protective Equipment:	<ul style="list-style-type: none"> • Wear suitable protective clothing, gloves and eye/face protection.
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Section 7

Handling and Storage

Handling:

- Do not get in eyes, on skin or on clothing.
- Do not breathe vapors or mists.
- Keep container closed.
- Use only with adequate ventilation.
- Use good personal hygiene practices.
- Wash hands before eating, drinking or smoking.
- Remove contaminated clothing and clean before re-use.
- Destroy contaminated belts and shoes and other items that cannot be decontaminated.
- Keep away from heat and flame.
- Keep operating temperatures below ignition temperatures at all times.
- Use non-sparking tools.

Storage:

- Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles.
- Ground lines and equipment used during
- Transfer to reduce the possibility of static spark-initiated fire or explosion.
- Store at ambient or lower temperature.
- Store out of direct sunlight.
- Keep containers tightly closed and upright when not in use.
- Protect against physical damage.
- Empty containers may contain toxic, flammable and explosive residue or vapors.
- Do not cut, grind, drill or weld on or near containers unless precautions are taken against these hazards.

Section 8

Exposure Controls/Personal Protection

Exposure limits

Component:	Propane -1,2-diol
OSHA/TWA:	Not listed.
OSHA/STEL:	Not listed.
ACGIH/TWA:	Not listed.
ACGIH/STEL:	Not listed.

Engineering Controls:

- Use only in a well ventilated area.
- Use explosion-proof ventilation equipment.

Personal protective equipment

Eyes and Face:

- Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin:

- Wear chemical resistant neoprene, butyl rubber or vinyl gloves.

- Respiratory:**
- NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
 - Protection provided by air purifying respirators is limited.
 - Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
- Protective clothing:**
- Wear protective gloves and clean body-covering clothing.
 - Chemically resistant clothing and boots may be required.
- Work hygienic practices:**
- Establish good personal hygiene and work practices.
 - Always wash hands and face before eating, drinking or smoking.
 - Provide safety shower and eye wash station in work area.

Section 9 Physical and Chemical Properties

Physical State:	Liquid.
Odor:	Odorless.
Appearance:	Clear, colorless liquid.
pH:	Neutral.
Percent Volatile:	Not established.
Vapor Pressure:	13.0 mmHg
Vapor Density:	< 1
Boiling Point:	113 °C (236 °F)
Freezing Point:	Not established.
Flashpoint and Method:	Not established.
Solubility in Water:	Miscible.
Evaporation Rate:	Not established.
Specific Gravity:	1.043
Viscosity:	Not established.

- Note:**
- The information in this section is calculated from specific known information about this product.
 - This information should not be used as exact test results or specifications.
 - The information is provided as typical properties for this product.

Section 10

Stability and Reactivity

Stable:	Yes.
Hazardous polymerization:	No.
Stability:	Stable under ordinary conditions of use and storage.
Conditions to avoid:	Heat, flames and other sources of ignition.
Hazardous decomposition products:	Carbon dioxide and/or carbon monoxide.
Incompatible materials:	Reacts violently with sodium, potassium, amines, liquid fluorine, liquid Chlorine trifluoride.

Section 11

Toxicological Information

Acute

Dermal LD50:	20.8 g/kg (rabbit)
Oral LD50:	20 g/kg (rat)
Inhalation LC50:	16 000 ppm/8 h (inhalation – rat)

Effects

Eye Effects:	Mildly irritating to eyes.
Skin Effects:	May be absorbed through the skin in harmful amounts.

Carcinogenicity

IARC:	Not listed.
NTP:	Not listed.
OHSA:	Not listed.

Reproductive Effects:	Not indicated.
Teratogenic Effects:	No data available.
Mutagenicity:	Not indicated.
Ingestion:	No known significant effects or critical hazards.

Section 12

Ecological Information

Toxicity:

NOEC: Fathead minnow: 5 290 mg/L/96 h

NOEC: Water Flea: 13 020 mg/L/48 h

EC50: >10 000 mg/L/48 h

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PT and vPvB assessment: Not required/conducted.

Section 13

Disposal Considerations

Waste disposal:

- Dispose of waste and residues in accordance with local authority requirements.
 - Mix with compatible chemical which is less flammable and incinerate.
 - Since emptied containers retain product residue, follow label warnings even after the container is emptied.
 - Residual vapors may explode on ignition.
 - **Do not** cut, drill, grind or weld on or near this container.
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Section 14

Transport Information

Toxicity:

UN number: Not Regulated.

UN proper shipping name: N/A

Transport hazard class: N/A

Packing group: N/A

Environmental hazards: N/A

Section 15

Regulatory Information

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312: No SARA hazards.

Section 16

Other Information

HMIS® Ratings

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	Not Listed

This product is for industrial and laboratory use only.

- Do not store in open, unlabeled or mislabeled containers.
- Store in cool, dry place with adequate ventilation.
- Keep away from flames and high temperatures.
- For personal hygiene protection, we recommend that employees wash thoroughly after handling product.
- Always wash up before eating, smoking, and using toilet facilities.
- Keep out of reach of children.

Disclaimer of Liability

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of the results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. User of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. It is the responsibility of the user to comply with all applicable federal, state, local laws and regulations.
