

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Propylene Glycol Technical Grade

**Synonyms:** propane-1,2-diol, Propylene Glycol

**CAS Number:** 57-55-6

**Grade/Purity:** Technical Grade

**Product Type:** Glycols

**Product Use:** Industrial, Manufacturing or Laboratory use

**Manufacturer/Supplier:** Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574

**Information:** 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)

**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

## 2. HAZARDS IDENTIFICATION

**Signal Word:** Not Classified

**GHS Pictograms:**

None assigned

**Hazard Statements:**

|                |                                                                |
|----------------|----------------------------------------------------------------|
| Not Classified | Not classified as hazardous under GHS based on available data. |
|----------------|----------------------------------------------------------------|

**Precautionary Statements:**

|                |                                                    |
|----------------|----------------------------------------------------|
| Not Classified | No specific GHS precautionary statements required. |
|----------------|----------------------------------------------------|

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT        | % MIN | % MAX | CAS #   | EINECS# / ELINCS# | FORMULA | MOLECULAR WEIGHT |
|------------------|-------|-------|---------|-------------------|---------|------------------|
| Propylene Glycol | 99.5  | 100.5 | 57-55-6 | 200-338-0         | C3H8O2  | 76.09 g/mol      |

## 4. FIRST-AID MEASURES

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes       | EYES: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.                                                                                  |
| Skin       | Remove contaminated clothes. Rinse skin with plenty of water or shower.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Inhalation | INHALATION: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used; if not available, use a level of protection greater than or equal to that advised under Protective Clothing. |
| Ingestion  | INGESTION: DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. IMMEDIATELY transport the victim to a hospital. (NTP, 1992)  |

## 5. FIRE-FIGHTING MEASURES

|                             |                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Suitable Media</b>       | Use water spray, alcohol-resistant foam, dry chemical, or CO2. Use measures appropriate to local circumstances. |
| <b>Unsuitable Media</b>     | Do not use a solid water stream as it may scatter and spread fire.                                              |
| <b>Protective Equipment</b> | Wear self-contained breathing apparatus and full protective clothing.                                           |
| <b>Combustion Products</b>  | May include carbon oxides and other toxic fumes. See Section 10.                                                |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.       |
| <b>Environmental</b>             | Prevent leakage or spillage from entering drains, sewers, or waterways.                                 |
| <b>Containment &amp; Cleanup</b> | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

## 7. HANDLING AND STORAGE

|                      |                                                                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe Handling</b> | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| <b>Safe Storage</b>  | Store in a cool, dry, well-ventilated area. Keep away from incompatible materials (see Section 10). Keep containers tightly closed.                |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

**Occupational Exposure Limits:**

No established occupational exposure limits.

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| <b>Eyes</b>       | Wear chemical safety goggles or face shield.                                        |
| <b>Skin</b>       | Wear chemical-resistant gloves and protective clothing.                             |
| <b>Inhalation</b> | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                                      |
|-----------------------------------|------------------------------------------------------|
| <b>Appearance</b>                 | Clear, slightly viscous colorless liquid             |
| <b>Odor</b>                       | Characteristic                                       |
| <b>Median Particle Size</b>       | Not Applicable                                       |
| <b>Particle Size Distribution</b> | Not Applicable                                       |
| <b>Particle Shape</b>             | Not Applicable                                       |
| <b>Surface Area</b>               | Not Applicable                                       |
| <b>Dustiness</b>                  | Not Applicable                                       |
| <b>Hygroscopicity</b>             | Not Applicable                                       |
| <b>pH</b>                         | Not Available                                        |
| <b>Melting Point</b>              | -76 °F (NTP, 1992)                                   |
| <b>Boiling Point</b>              | 370.8 °F at 760 mmHg (NTP, 1992)                     |
| <b>Flash Point</b>                | 210 °F (NTP, 1992)                                   |
| <b>Vapor Pressure</b>             | Not Available                                        |
| <b>Specific Gravity</b>           | Not Available                                        |
| <b>Solubility</b>                 | Highly water-soluble, miscible with organic solvents |
| <b>Molecular Formula</b>          | C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>         |
| <b>Molecular Weight</b>           | 76.09 g/mol                                          |

## 10. STABILITY AND REACTIVITY

|                               |                                                                               |
|-------------------------------|-------------------------------------------------------------------------------|
| <b>Chemical Stability</b>     | Stable under recommended storage conditions.                                  |
| <b>Hazardous Reactions</b>    | None under normal processing conditions.                                      |
| <b>Conditions to Avoid</b>    | Heat, sparks, open flame, and incompatible materials.                         |
| <b>Incompatible Materials</b> | Strong oxidizing agents, strong acids, strong bases.                          |
| <b>Decomposition Products</b> | May produce carbon oxides and other toxic fumes when heated to decomposition. |

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** See Section 2 for GHS hazard classification.

|             |                           |
|-------------|---------------------------|
| <b>IARC</b> | Not listed as carcinogen. |
| <b>NTP</b>  | Not listed as carcinogen. |
| <b>OSHA</b> | Not listed as carcinogen. |

## 12. ECOLOGICAL INFORMATION

|                         |                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>      | Algae ErC50: 19000 mg/L (96 h, Selenastrum capricornutum (14-d growth rate)); Daphnia EC50: 43500 mg/L (48 h, Daphnia magna (static)) |
| <b>Persistence</b>      | Not persistent; low soil/sediment adsorption, not expected to volatilize                                                              |
| <b>Bioaccumulation</b>  | log Kow -0.92                                                                                                                         |
| <b>Mobility in Soil</b> | Very high mobility in soil (estimated Koc $\approx$ 1)                                                                                |

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

## 14. TRANSPORT INFORMATION

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>US DOT</b>           | Not regulated as dangerous goods. |
| <b>IMDG</b>             | Not regulated as dangerous goods. |
| <b>IATA/ICAO</b>        | Not regulated as dangerous goods. |
| <b>Marine Pollutant</b> | No                                |

## 15. REGULATORY INFORMATION

|                                                                                                                       |                                           |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Regulatory listings not yet on file in this system; consult OSHA, EPA TSCA, EPCRA TRI, and California OEHHA directly. |                                           |
| <b>SARA 311/312</b>                                                                                                   | See Section 2 for hazard classifications. |

## 16. OTHER INFORMATION

**Revision Date:** 07/21/2026

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