

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Ethylene Glycol ACS Grade  
**Synonyms:** MEG, Monoethylene Glycol, Antifreeze, ethane-1,2-diol, Ethylene Glycol  
**CAS Number:** 107-21-1  
**Grade/Purity:** ACS 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:** Warning

**GHS Pictograms:**



**Hazard Statements:**

|      |   |
|------|---|
| H302 | Harmful if swallowed [Warning Acute toxicity, oral] |
|------|---|

**Precautionary Statements:**

|       |                                 |
|-------|---------------------------------|
| P264, | P270, P301+P317, P330, and P501 |
|-------|---------------------------------|

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT       | % MIN | % MAX  | CAS #    | EINECS# / ELINCS# | FORMULA | MOLECULAR WEIGHT |
|-----------------|-------|--------|----------|-------------------|---------|------------------|
| Ethylene Glycol | 99.43 | 100.43 | 107-21-1 | 203-473-3         | C2H6O2  | 62.07 g/mol      |

### 4. FIRST-AID MEASURES

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | 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.  |
| <b>Skin</b>       | Remove contaminated clothes. Rinse skin with plenty of water or shower.  |
| <b>Inhalation</b> | 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. |
| <b>Ingestion</b>  | 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 CO <sub>2</sub> . 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, 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>              | -13°C (8.6°F)                                       |
| <b>Boiling Point</b>              | 197°C (386.6°F)                                     |
| <b>Flash Point</b>                | Not Available                                       |
| <b>Vapor Pressure</b>             | Not Available                                       |
| <b>Specific Gravity</b>           | 1.113   |
| <b>Solubility</b>                 | Soluble in water, alcohol, and other polar solvents |
| <b>Molecular Formula</b>          | C <sub>2</sub> H <sub>6</sub> O <sub>2</sub>        |
| <b>Molecular Weight</b>           | 62.07 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>      | Data not available. Avoid release to the environment. |
| <b>Persistence</b>      | Not Available   |
| <b>Bioaccumulation</b>  | Not Available   |
| <b>Mobility in Soil</b> | Not Available   |

## 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  |
| <b>Note</b>             | Hazard communication note: Product may meet GHS hazard criteria for workplace handling, while not being regulated as dangerous goods for transport. |

## 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:** 05/28/2026

**Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. It relates only to the specific product identified and does not relate to its use in combination with other materials. ALLIANCE CHEMICAL MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLIANCE CHEMICAL DOES NOT ASSUME LIABILITY FOR LOSS, INJURY, DAMAGE, OR EXPENSE ARISING FROM THE HANDLING, STORAGE, USE, OR DISPOSAL OF THIS PRODUCT.