Safety Data Sheet · OSHA HCS 2024

# Ethylene Glycol 15/85

Technical · 15/85

| Standard | Revised | Emergency |
|---|---|---|
| OSHA HCS 2024 · GHS Rev. 7 | 2026-11-19 | Chemtel 1-800-255-3924 (24/7) |

## 1 Identification

| | |
|---|---|
| **Product Identifier** | Ethylene Glycol 15/85 |
| **Grade** | Technical |
| **Concentration** | 15/85 |
| **Manufacturer** | Alliance Chemical<br>204 South Edmond Street, Taylor, TX 76574 |
| **Emergency Phone** | Chemtel 1-800-255-3924 (24/7) |
| **Recommended Use** | Industrial / laboratory chemical. See Section 7. |
| **Restrictions on Use** | No restrictions identified beyond the conditions of safe use in Sections 7 and 8. |

## 2 Hazard Identification



Health hazard

| | |
|---|---|
| **Classification** | Specific target organ toxicity, repeated exposure, Category 2 |
| **Signal Word** | **Warning** |
| **Hazard Statements** | H373 May cause damage to organs through prolonged or repeated exposure |

**Precautionary Statements**

P260 Do not breathe dust, fume, gas, mist, vapors or spray.

P314 Get medical advice or attention if you feel unwell.

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

Classification, hazard (H) and precautionary (P) statements and pictograms per OSHA HCS 2024 (29 CFR 1910.1200, Appendices A–C), aligned with GHS Rev. 7.

## 3 Composition / Information on Ingredients

| Component | CAS No. | Formula | Concentration |
|---|---|---|---|
| Ethylene Glycol | 107-21-1 | $C_2H_6O_2$ | 14.5-15.5% v/v |
| Water | 7732-18-5 | $H_2O$ | Balance (v/v) |

Concentrations are nominal; lot-specific values appear on the Certificate of Analysis. Components not contributing to classification are omitted.

## 4 First-Aid Measures

| | |
|---|---|
| Eyes | Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately. |
| Skin | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately. |
| Inhalation | Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately. |
| Ingestion | Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately. |
| Most Important Symptoms and Effects | No specific symptoms are expected from the hazards identified in Section 2. |
| Immediate Medical Attention and Special Treatment | Treat symptomatically. Get medical attention if symptoms develop or persist. |

## 5 Fire-Fighting Measures

| | |
|---|---|
| Suitable Extinguishing Media | Use water spray, alcohol-resistant foam, dry chemical, or CO2. Use measures appropriate to local circumstances. |
| Unsuitable Extinguishing Media | Do not use a solid water stream as it may scatter and spread fire. |
| Specific Hazards Arising from the Chemical | Containers may rupture when heated. |
| Protective Equipment | Wear self-contained breathing apparatus and full protective clothing. |
| Hazardous Combustion Products | May include carbon oxides and other toxic fumes. See Section 10. |

## 6 Accidental Release Measures

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

## 7 Handling and Storage

| | |
|---|---|
| Safe Handling | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| Safe Storage | 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

### Occupational Exposure Limits

No established occupational exposure limits.

| | |
|---|---|
| Engineering Controls | Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use. |
| Eye/Face Protection | Wear chemical safety goggles or face shield. |

| | |
|---|---|
| Skin Protection | Wear chemical-resistant gloves and protective clothing. |
| Respiratory Protection | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

## 9 Physical & Chemical Properties

| | |
|---|---|
| Appearance | Clear, colorless to pale liquid |
| Odor | Mild, characteristic |
| Odor Threshold | No data available |
| pH | Essentially neutral (unbuffered blend) |
| Melting Point / Freezing Point | -6 °C (freeze / crystallization onset) |
| Boiling Point | ~102 °C |
| Flash Point | Not flammable (aqueous solution) |
| Evaporation Rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/Lower Flammability or Explosive Limits | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Relative Density | 1.021 (20 °C) |
| Solubility | Miscible with water |
| Partition Coefficient (n-octanol/water) | No data available |
| Auto-ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |
| Particle Characteristics | Not applicable |
| Density | 1.021 g/mL at 20 °C |

Values shown reflect product-specific canonical data. Lot-specific ranges may vary; see the Certificate of Analysis for the shipped lot.

## 10 Stability and Reactivity

| | |
|---|---|
| Reactivity | Not reactive under normal conditions of use and storage. |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | None under normal processing conditions. |
| Conditions to Avoid | Heat, sparks, open flame, and incompatible materials. |
| Incompatible Materials | Strong oxidizing agents, strong acids, strong bases. |
| Hazardous Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition. |

## 11 Toxicological Information

See Section 2 for GHS hazard classification.

| | |
|---|---|
| Likely Routes of Exposure | Inhalation, skin contact, eye contact, ingestion. |

| | |
|---|---|
| Symptoms | No specific symptoms are expected from the hazards identified in Section 2. |
| Delayed and Chronic Effects | Prolonged or repeated exposure may damage organs. |
| Numerical Measures of Toxicity | No data available |

### Carcinogen Classification

| Agency | Status |
|---|---|
| IARC | Not listed as carcinogen. |
| NTP | Not listed as carcinogen. |
| OSHA | Not listed as carcinogen. |

## 12 Ecological Information

| | |
|---|---|
| Ecotoxicity | Data not available. Avoid release to the environment. |
| Persistence & Degradability | Not Available |
| Bioaccumulative Potential | Not Available |
| Mobility in Soil | 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

**Not regulated** for transport under US DOT 49 CFR Subchapter C, IMDG, or IATA DGR.

## 15 Regulatory Information

Regulatory listings are not yet on file in this system for this product's CAS number. Verify listing status against the authoritative agency inventories before relying on it.

SARA 311/312 hazard categories correspond to the GHS classification in Section 2.

## 16 Other Information

| | |
|---|---|
| Revision Date | 2026-11-19 |
| Format | 16-section format per OSHA HCS 2024 (29 CFR 1910.1200, Appendix D), aligned with GHS Rev. 7. |

**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.

Alliance Chemical, 204 South Edmond Street, Taylor, TX 76574. Published by Alliance Chemical from first-party canonical product data. Our authority is hands-on chemical handling, DOT/GHS-compliant shipping, and government-registered distribution — not bench chemistry. This Safety Data Sheet is prepared from the regulatory data on file for this product.