Technical Data Sheet

# Ethylene Glycol 15/85

Technical · 15/85

| Alliance Code | Revised | Revision |
|---|---|---|
| SHOPIFY-15492823941353 | 2026-11-19 | 1.1 |

| Grade | Signal word |
|---|---|
| Technical · 15/85 | **Warning** |

Hazards

Health hazard H373

## IDENTITY & COMPOSITION

PRODUCT NAME
Ethylene Glycol 15/85

ALLIANCE CODE
SHOPIFY-15492823941353

GRADE
Technical

CONCENTRATION
15/85

PRODUCT TYPE
Mixture

## SPECIFICATIONS

**Not yet characterized** — Specification limits for this product have not been published yet. Contact Technical Services for the current specification and available lot-specific documentation.

## AVAILABLE GRADES SAME CAS, ALTERNATE GRADES AND CONCENTRATIONS

| GRADE | CONCENTRATION | TYPICAL ASSAY | SKU |
|---|---|---|---|
| THIS GRADE Technical | 15/85 | — | current |
| Technical | 60% v/v | — | ethylene-glycol-60-40 |
| Technical | 50% v/v | — | ethylene-glycol-50-50 |
| Technical | 40% v/v | — | SHOPIFY-8019745144874 |
| Technical | 30% v/v | — | ethylene-glycol-30-70 |

| GRADE | CONCENTRATION | TYPICAL ASSAY | SKU |
|---|---|---|---|
| ACS Grade | — | — | ethylene-glycol-acs-grade |

Typical assay for each grade is the average of its recent lots. Confirm a grade meets your specification before substituting it.

## PHYSICAL & CHEMICAL PROPERTIES

| PROPERTY | VALUE | SOURCE |
|---|---|---|
| Appearance | Clear, colorless to pale liquid | Adjudicated |
| Odor | Mild, characteristic | Adjudicated |
| pH | Essentially neutral (unbuffered blend) | Adjudicated |
| Specific Gravity | 1.021 (20 °C) | Adjudicated |
| Density | 1.021 g/mL at 20 °C | Adjudicated |
| Boiling Point | ~102 °C | Adjudicated |
| Melting Point | -6 °C (freeze / crystallization onset) | Adjudicated |
| Flash Point | Not flammable (aqueous solution) | Adjudicated |
| Solubility (water) | Miscible with water | Adjudicated |

## REGULATORY & TRANSPORT

### DOT / 49 CFR

UN NUMBER
Not regulated Adjudicated

HAZARD CLASS
Not regulated Adjudicated

PACKING GROUP
Not regulated Adjudicated

PROPER SHIPPING NAME
Not regulated Adjudicated

### GHS / OSHA HCS 2024

SIGNAL WORD
Warning Adjudicated

H-CODES (HAZARD STATEMENTS)
H373 Adjudicated

P-CODES (PRECAUTIONARY STATEMENTS)
P260, P314, P501 Adjudicated

### OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL (29 CFR 1910.1000)
— no canonical

ACGIH TLV
— no canonical

NIOSH REL
— no canonical

NIOSH IDLH
— no canonical

Transport descriptions reflect 49 CFR 172.101 lookup at time of publication. Sourced data: NIOSH Pocket Guide for REL/IDLH, OSHA Z-Tables for PEL. Always verify against the latest regulatory text before shipment-critical decisions.

## APPLICATION GUIDANCE

Ethylene Glycol 15/85 (Technical) is a glycol-based heat-transfer and freeze-protection fluid. Concentration sets the freeze and burst protection; the inhibitor package sets how long the system stays protected from corrosion.

- Closed-loop heat transfer and process cooling
- Data-centre and chilled-water freeze protection
- HVAC hydronic loops and glycol makeup
- Freeze and burst protection for idle or seasonal systems
- Humectant and carrier applications (USP/food-grade propylene glycol only)

Verify concentration against the required freeze and burst protection, and confirm elastomer and metallurgy compatibility for the service temperature. Ethylene glycol is toxic by ingestion and must not be used where incidental food or potable contact is possible — specify a propylene glycol grade for those services.

## STORAGE & HANDLING

### RECOMMENDED STORAGE

Cool, dry, well-ventilated area in tightly sealed original containers. Neat glycols are combustible liquids with high flash points (roughly 99–111 °C) and do not require a solvent store; aqueous blends will not sustain combustion. Protect inhibited coolants from contamination and from freezing below their stated protection point.

Class-level guidance — not product-specific; the SDS controls.

### HANDLING PRECAUTIONS

Chemical-resistant gloves and splash goggles. Ethylene glycol grades are toxic by ingestion and must be kept away from food, drink and animals; propylene glycol grades are not. Avoid contact with hot surfaces and hot process equipment. Inhibitor packages deplete in service — monitor rather than top up blindly.

Class-level guidance — not product-specific; the SDS controls.

### INCOMPATIBILITIES

Strong oxidizers, strong acids and strong bases. Galvanized (zinc) surfaces are attacked by many inhibited coolant packages. Verify elastomer and gasket compatibility for the service temperature; EPDM is standard for glycol/water service.

Class-level guidance — not product-specific; the SDS controls.

### SHELF LIFE

Consult Technical Services for product-specific shelf life

For full hazard, PPE, and emergency response guidance, refer to the Safety Data Sheet (SDS) for this product. The SDS controls in all cases where guidance differs.

## PACKAGING & LOGISTICS

### SHIPPING DESCRIPTION (US DOT)

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Not regulated for transport.
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Confirm against shipping documents and carrier requirements before tender.

NMFC CLASS
55

## REVISION HISTORY

Last reviewed 2026-11-19 by Andre Taki, Chief Commercial Officer, DOT Hazmat–certified (49 CFR 172.704).

| VERSION | DATE | CHANGE | TRIGGER |
|---|---|---|---|
| 1.1 | 2026-11-19 | Canonical data updated: 10 fields changed via the provenance/adjudication pipeline.<br>• unNumber · canonical change (coa.data_provenance / adjudication)<br>• hazardClass · canonical change (coa.data_provenance / adjudication)<br>• packingGroup · canonical change (coa.data_provenance / adjudication)<br>• dotProperShippingName · canonical change (coa.data_provenance / adjudication)<br>• signalWord · canonical change (coa.data_provenance / adjudication)<br>• ghsClassification · canonical change (coa.data_provenance / adjudication)<br>• hazard_h_codes · canonical change (coa.data_provenance / adjudication)<br>• hazard_p_codes · canonical change (coa.data_provenance / adjudication)<br>• physicalProperties · canonical change (coa.data_provenance / adjudication)<br>• dotSubsidiaryHazardClass · canonical change (coa.data_provenance / adjudication) | canonical_change |

This Technical Data Sheet is provided for technical reference. The Safety Data Sheet (SDS) controls in all cases where guidance differs. Values reflect Alliance Chemical canonical data at time of generation; subsequent revisions are recorded in the Revision History above.