

Inhibited Ethylene Glycol 20/80 with OAT-908 — Data Center Coolant

GHS Revision

Rev. 9 (2021)

Reviewed

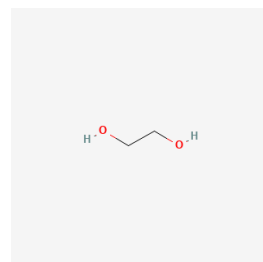
2026-09-29

Emergency

Chemtel 1-800-255-3924 (24/7)

CAS number

107-21-1



Structure · PubChem

Signal word

Warning

Hazards

Health hazard H373

1 Identification

Product Identifier

Inhibited Ethylene Glycol 20/80 with OAT-908 — Data
Center Coolant

CAS Number

Mixture (see Section 3)

Chemical Formula

C₂H₆O₂

Molecular Weight

62.07 g/mol

Manufacturer

Alliance Chemical

204 South Edmond Street, Taylor, TX 76574

Emergency Phone

Chemtel 1-800-255-3924 (24/7)

Recommended Use

Closed-loop heat-transfer and freeze-protection fluid.
Not for food-contact, incidental-food-contact or
potable-water service. See Section 7.

2 Hazard Identification



Health hazard

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, vapours 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.

Hazard (H) and precautionary (P) statements and pictograms conform to GHS Rev. 9. The full classification rationale is in the downloadable SDS PDF.

3 Composition / Information on Ingredients

Component	CAS No.	Formula	Concentration
Ethylene Glycol	107-21-1	C ₂ H ₆ O ₂	19.5-20.5% (w/w)
Proprietary organic-acid (OAT) corrosion inhibitor package	Proprietary	Mixture	<2% (w/w)
Water	7732-18-5	H ₂ O	Balance (w/w)

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.

5 Fire-Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical, or CO ₂ . Use measures appropriate to local circumstances.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
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.
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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	Typically 7.0-9.0 (ASTM D1287); measured value reported on the lot Certificate of Analysis
Melting Point / Freezing Point	-8 °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	1.026 (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	1.026 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

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.

Carcinogen Classification

Agency	Status
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IARC	Not listed as carcinogen.
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NTP	Not listed as carcinogen.
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OSHA	Not listed as carcinogen.
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12 Ecological Information

Ecotoxicity	Daphnia EC50: 10000 mg/L (48 h, Daphnia magna (freshwater, static))
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Persistence & Degradability	Not persistent; low bioconcentration, not expected to volatilize
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Bioaccumulative Potential	log Kow -1.36
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Mobility in Soil	Very high mobility in soil (estimated Koc $\approx$ 0.2)
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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

Inventory / List	Status
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Inventory / List	Status
California Proposition 65	Listed (since 2015-06-19)
US EPA TSCA Active Inventory	Listed
EPCRA SARA 313 (TRI)	Listed

SARA 311/312 hazard categories correspond to the GHS classification in Section 2. Data retrieved as of: California Proposition 65 2026-09-02; US EPA TSCA Active Inventory 2026-09-02; EPCRA SARA 313 (TRI) 2026-09-02.

16 Other Information

Revision Date	2026-09-29
GHS Format	GHS Rev. 9 (2021), 16-section format per OSHA HCS 2024 (29 CFR 1910.1200).

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