TECHNICAL DATA SHEET

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

ALLIANCE CODE	GENERATED	REVISION
SHOPIFY-7990803922986	2026-09-11	1.1

REVIEWED
2026-08-17

IDENTITY & COMPOSITION

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

ALLIANCE CODE
SHOPIFY-7990803922986

GRADE
—

CONCENTRATION
—

CAS NUMBER
— no canonical

FORMULA
— no canonical

MOLECULAR WEIGHT
— no canonical

PRODUCT TYPE
mixture

SPECIFICATIONS

Not yet characterized — Specification limits for this product have not been published yet. Contact Technical Services for the current specification; lot-specific certificates ship with every order.

AVAILABLE GRADES SAME CAS, ALTERNATE GRADES AND CONCENTRATIONS

GRADE	CONCENTRATION	TYPICAL ASSAY	SKU
THIS GRADE —	—	—	current
—	50%	—	SHOPIFY-7858635440170

GRADE	CONCENTRATION	TYPICAL ASSAY	SKU
—	40%	—	SHOPIFY-7858635407402
—	34.98%	—	SHOPIFY-7858635374634
—	29.98%	—	SHOPIFY-7858601656362

Typical assay shown is the rolling-window mean from the sibling product's most recent lots. Grade selection drives downstream end-use — verify the sibling grade matches your specification before substitution.

PHYSICAL & CHEMICAL PROPERTIES

PROPERTY	VALUE	SOURCE
Appearance	Clear to pinkish liquid (dyed)	Published reference
Odor	Mild, characteristic	Published reference
pH	9–10.5	Published reference
Specific Gravity (20 °C)	1.026 (20 °C)	Published reference
Density	1.026 g/mL at 20 °C	Published reference
Boiling Point	~102 °C	Published reference
Melting Point	-8 °C (freeze / crystallization onset)	Published reference
Flash Point	Not flammable (aqueous solution)	Published reference
Solubility (water)	Miscible with water	Published reference

REGULATORY & TRANSPORT

DOT / 49 CFR

UN NUMBER
— no canonical

HAZARD CLASS
— no canonical

PACKING GROUP
— no canonical

PROPER SHIPPING NAME
— no canonical

GHS / OSHA HAZCOM 2012

SIGNAL WORD
— no canonical

H-CODES (HAZARD STATEMENTS)
— no canonical

P-CODES (PRECAUTIONARY STATEMENTS)
— no canonical

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: ECHA CLP Annex VI for harmonised classifications, NIOSH Pocket Guide for REL/IDLH, OSHA Z-Tables for PEL. Always verify against the latest regulatory text before shipment-critical decisions.

APPLICATION GUIDANCE

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

REVISION HISTORY

VERSION	DATE	CHANGE	TRIGGER
1.1	2026-08-17	Canonical data updated: 1 field changed via the provenance/adjudication pipeline. • `physicalProperties` · 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.