TECHNICAL DATA SHEET

V.01/2025

Glacelf CHP Supra

MEG-based OAT super concentrate antifreeze

DESCRIPTION

Glacelf CHP Supra is a “very long-life” antifreeze formulated with monoethylene glycol (MEG) and Organic Additive Technology (OAT) to deliver exceptional protection against corrosion, freezing, and boiling, while significantly optimizing heat transfer.

This environmentally friendly formula is completely free of 2-EHA, phosphates, amines, nitrites, boron, nitrates, and silicates.

APPLICATIONS

Engine Cooling: Stationary Diesel and Gas engines needing a freeze protection from -7°C to -15°C depending on dilution (see table below).

Industrial Heat Transfer: Ideal for use in diverse industrial systems, including cogeneration, wind turbine, machine tools, … *(non-exhaustive list)*

Glacelf CHP Supra (volume%)	20	25	30
Freezing Point, ASTM D1177 (°C)	-7	-11	-15

ADVANTAGES

Unmatched Heat Transfer: Beyond its advanced additive technology designed for superior heat transfer, Glacelf CHP Supra's ability to be diluted at low concentrations increases the proportion of water, leading to a significant improvement in heat transfer.

Very long-term corrosion protection: Organic additives ensure a long-term action to offer maximum protection against any type of corrosion, erosion and cavitation, even at high temperatures.

Deposit formation: Exceptional thermal stability prevents mineral deposits, especially in critical areas like liners, cylinder heads, and heat exchangers.

Cost reduction: Long-life formulation allows for extended drain intervals, reducing coolant recycling costs.

Muti-material compatibility: Compatible with a wide range of elastomers (EPDM, HNBR, etc.), plastics (PP, PA, PTFE, etc.), and metals (iron, steel, aluminum, etc.)

Environment: Formulated with carefully selected additives to minimize environmental impact and ensure maximum consumer safety.

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INTERNATIONAL SPEC.

Glacelf CHP Supra complies with the following standards:

- ASTM D3306*
- AFNOR NFR 15-601**
- BS 6580*
- GB 29743.1*

**except foaming characteristics and freezing point*

***except freezing point*

OEM SPECIFICATIONS

Official OEM approval: **CAT-MWM** (0199-99-2091), **Jenbacher** (TA 1000-0200)

Suitable for use: **MAN** (324 type SNF), **Cummins** (CES 14439/14603), **Deutz** (DQC CB-14), **Bergen** (2.13.01), **MTU** (MTL 5048), **Tedom**, **Waukesha**, **Wärtsilä**, **Semt Pielstick**, … *(non-exhaustive list)*

TYPICAL CHARACTERISTICS

PROPERTIES	VALUES	UNITS	STANDARDS
Color	Fluorescent Yellow		Visual
Density (20°C)	1,115	Kg/l	ASTM D5931
pH	8,5		ASTM D1287
Reserve Alkalinity, to inflection point	84	ml HCl 0,1N	ASTM D1121

Further technical data are available upon request.

RECOMMENDATIONS

Dilution: Antifreeze/Concentrate. Dilute with demineralized water before final use. Do not use tap water or other untreated water sources.

Compatibility: When diluted, Glacelf CHP Supra should be compatible with most other MEG-based OAT coolant. Exclusive use of Glacelf CHP Supra is however recommended for optimum performance.

Monitoring: Extend coolant life and optimize maintenance with LubAnac Coolant analysis.

Shelf life: Glacelf CHP Supra can be stored for 8 years in unopened recipients without any effect on the product quality or performance. It is strongly recommended to use new non-translucent containers, and where possible packages with a UV filter.

Storage: Glacelf CHP Supra should be stored above -20°C and below 30°C. Periods of exposure to temperatures above 35°C should be minimized.

Toxicity/Safety: For toxicity information, safe handling and disposal of the product, please refer to the Safety Data Sheet. This product should not be used to protect the inside of drinking water systems.

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