



Glacelf MPG Supra 2F

MPG-based OAT antifreeze

DESCRIPTION

Glacelf MPG Supra 2F is a “very long-life” antifreeze formulated with monopropylene glycol (MPG) and Organic Additive Technology (OAT) to deliver exceptional protection against corrosion, freezing, and boiling, while significantly reducing toxicity compared to traditional MEG-based coolants.

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

APPLICATIONS

Engine Cooling: Automotive, heavy-duty applications and stationary engines needing a freeze protection from -14°C to -52°C depending on dilution (see table below).

Industrial Heat Transfer: Ideal for use in diverse industrial systems, including cogeneration, wind turbine, machine tools, and specialized industries like pharmaceuticals and food processing (*non-exhaustive list*)

Glacelf MPG Supra 2F (volume%)	33	40	50	60
Freezing Point, ASTM D1177 (°C)	-14	-21	-33	-52

ADVANTAGES

Low toxicity: Glacelf MPG Supra 2F's base fluid provides a significantly less toxic alternative to traditional MEG-based coolants, enhancing safety for users and the environment.

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

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.

Maximum Heat Transfer: Ensured by the formation of a strategic, localized passivation layer, which minimizes thermal resistance and maximizes efficient heat dissipation.

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.).



This coolant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded at ms-sds.totalenergies.com

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INTERNATIONAL SPEC.

Glacelf MPG Supra 2F complies with the following standards:

- ASTM D3306
- BS 6580*
- NF R15-601

**except freezing point*

OEM SPECIFICATIONS

Glacelf MPG Supra 2F is recommended for:

DAF, Iveco, Deutz, MAN ES, Stellantis, Caterpillar, Claas, Cummins, John Deere, Komatsu, Liebherr, ... (*non-exhaustive list*)

TYPICAL CHARACTERISTICS

PROPERTIES	VALUES	UNITS	STANDARDS
Color	Colourless		Visual
Density (20°C)	1,049	Kg/l	ASTM D5931
pH	8,6		ASTM D1287
Reserve Alkalinity, to pH 5.5	6.3	ml HCl 0,1N	ASTM D1121
Boiling Point	160	°C	ASTM D1120

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: Glacelf MPG Supra 2F is backward compatible with Glacelf MPG Supra and generally compatible with most other MEG and MPG-based OAT coolant. Exclusive use of Glacelf MPG Supra 2F is however recommended for optimum performance.

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

Shelf life: Glacelf MPG Supra 2F can be stored for 3 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 MPG Supra 2F 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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