



Coolelf Supra GF NP

MEG-based OAT coolant, -37°C freeze protection

DESCRIPTION

Coolelf Supra GF NP is a “very long-life” coolant formulated with monoethylene glycol (MEG) and Organic Additive Technology (OAT) to deliver exceptional protection against corrosion, freezing, and boiling.

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 an antifreeze protection temperature above -37°C, notably including official approval for emergency gensets in nuclear power facilities.

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

ADVANTAGES

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.)

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

INTERNATIONAL SPEC.

The antifreeze used in Coolelf Supra GF NP complies with the following standards:

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

*except foaming characteristics

OEM SPECIFICATIONS

Official OEM approval: **CAT-MWM** (0199-99-2091), **Jenbacher** (TA 1000-0200), **MTU** (MTL 5048), **Tedom**, **SNCF**, **EDF** (PMUC agreement)

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

TYPICAL CHARACTERISTICS

PROPERTIES	VALUES	UNITS	STANDARDS
Color	Fluorescent Yellow		Visual
Density (20°C)	1,070	Kg/l	ASTM D5931
pH	8,2		ASTM D1287
Reserve Alkalinity, to inflection point	18.5	ml HCl 0,1N	ASTM D1121
Freezing Point	-37	°C	ASTM D3321
Boiling Point	109	°C	ASTM D1120

Further technical data are available upon request.

RECOMMENDATIONS

Dilution: Ready-to-use product. Do not dilute.

Compatibility: Coolelf Supra GF NP should be compatible with most other MEG-based OAT coolant. Exclusive use of Coolelf Supra GF NP is however recommended for optimum performance.

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

Shelf life: Coolelf Supra GF NP 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: Coolelf Supra GF NP 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.



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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