

ANTIFREEZE

Description

Ethylene glycol-based engine coolant, concentrated, containing special additive packages that guarantee an extended life while maintaining the physical and chemical characteristics constant over the time. Recommended for all types of cooling circuits in diesel and petrol engines, and especially for aluminum and aluminum alloy circuits. It is free of nitrites, amines, phosphates, silicates and borates.

Properties

- Excellent protection against corrosion and cavitation, even at low concentrations.
- Mixable with water in any proportion.
- Prevents foam formation.
- Hinders the formation of deposits and sludge in the cooling circuit.
- Great thermal stability.
- It possesses alkaline capacity to neutralize the acid combustion gases which inevitably leak into the cooling circuit.
- Compatible with joints and seals, thus preventing fluid loss risks.
- Can be used in all types of cooling circuits, including industrial ones.
- Not suitable for use in cooling circuits in the food industry.

Quality levels

- ASTM D 3306
- CUNA NC 956-16
- ASTM D 1384
- B.S. 6580:92

Technical specifications

PROPERTIES	UNIT	METHOD	TYPICAL VALUES
Appearance		visual	magenta
pH at 50% vol. with water		ASTM D 1287	>7.0
Water content		ASTM D 1123	<3%
Freezing point (50%:50%)	°C	ASTM D 1177	-37 min
Density at 20°C		ASTM D 941	1,13
Flash point	°C	DIN ISO 2592	122 min.
Boiling point	°C	ASTM D 1120	160 min.
Boiling point at 50% vol.	°C	ASTM D 1120	107 min.
Reserve alkalinity at 10% vol. in water		ASTM D 1121	8 mL HCl 0,1 N
Ash content		ASTM D 1119	1,2% medium value
Foaming Tendencies		ASTM D 1881	50 mL/s medium value
Corrosion in glassware		ASTM D 1384 Aluminum, steel, cast iron Copper, brass, Solder	<0,5 medium value <1 medium value 1,6 medium value

Safety Data Sheet is available on request.

Technical Data Sheet revision 1 from January 2008

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Protection against freezing:

Antifreeze	Water	Freezing point
50%	50%	-37°C
40%	60%	-27°C
30%	70%	-15°C
20%	80%	-9°C
10%	90%	-4°C

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