REFRIGERANT / ANTIFREEZE

XTAR SUPER COOLANT SI-OAT

DESCRIPTION

A new-generation "Lobrid" monoethylene glycol coolant-antifreeze. It contains an exclusive group of corrosion inhibitors based on a blend of organic acid salts and stabilized silicates that offer long-life protection for all coolant circuit components.

XTAR SUPER COOLANT Si-OAT has been developed to meet the needs of car and heavy duty vehicle manufacturers. It is particularly recommended for advanced engine technologies, including EURO VI engines, where the protection of aluminium at high temperatures is critical.

XTAR SUPER COOLANT Si-OAT is free of nitrites, amines, phosphates and borates.

PRODUCT APPLICATIONS

- As a coolant-antifreeze in internal combustion engines. It gives outstanding protection against frost, corrosion and overheating in all modern engines.
- Before adding the coolant, it is recommended to drain and clean the coolant circuit.

PRODUCT PERFORMANCE

- High boiling point.
- Excellent freezing protection.
- Effective anti-foaming agents.
- Outstanding protection of seals and elastomers.
- Gives excellent anti-corrosion protection against the growing of sediments in the cooling system: engine block coolant channels, cylinder heads, thermostat, radiator, water pump and other vulnerable cooling system components.
- Offers long life service and low maintenance cost.
- Environmental friendly.
- For coolant preparation use clean and soft water according to the following dilution ratios:

XTAR Super Coolant SI-OAT dilution	Protection temperature
33%	-19ºC
40%	-27ºC
50%	-37ºC

APPROVALS

- VW TL 774 G (G12++)
- MAN 324 Typ. Si-OAT
- MB-Approval 325.5 (concentrate)
- MB-Approval 325.6 (concentrate)
- MB-Approval 326.5 (diluted)

SPECIFICATION

- AS 2108-2004
- ÖNORM V5123
- BS 6580:2010
- ASTM D 4985
- CUNA NC 956-16
- CUMMINS CES 14603
- ASTM D 3306
- JIS K 2234:2006
- SCANIA TB 1451
- ASTM D 6210
- SANS 1251:2005
- PORSCHE *(models since 1996)*
- SAE J1034
- SH 0521-1999

The typical values of the characteristics appearing in the table are average values given for guidance purposes.
These values may be modified without any prior warning.

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	MÉTODO	XTAR SUPER COOLANT SI-OAT	
			50%	CONCENTRATE
Color	-	VISUAL	MAGENTA	MAGENTA
Density 20ºC	kg/L	ASTM D 4052	1,0758	1,1247
Non-diluted pH	-	ASTM D 1287	8,25	8,40
Alcaline reserve pH 5.5	(mL HCl 0,1N)	ASTM D 1121	5,4	9,6
Freezing point	ºC	ASTM D 3321	<-37	<-37 Diluted 50% v/v
Silicon	mg/kg	AAS	100	198

The above data represent average values. They cannot be considered as a specified data.

Specified product data are issued in a separated product sheet specification.

These values are subject to change without prior notice.

STORAGE AND HANDLING

XTAR SUPER COOLANT Si-OAT has a shelf life of at least three years when stored in originally close, airtight containers at maximum temperature of 30ºC.

Do not use galvanized containers for storage because they may corrode.

HEALTH & SAFETY AND ENVIRONMEMNT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.