Coolant
XCL UNIVERSAL ANTIFREEZE

DESCRIPTION

Latest generation antifreeze, organic OAT (Organic Acid Technology), based on monoethylene glycol and passivation additives. It provides long-lasting protection of aluminum at high temperatures against heating, cavitation and corrosion. XCL UNIVERSAL ANTIFREEZE prevents cloudiness, deposits or precipitates. Silicate-free, nitrite-free.

APPLICATION

It is necessary to dilute this product for proper use. The dilution must be done with demineralized water (ideal resistivity of 1-10 MOhms.cm).

Recommended for the latest generation engines. Do not mix with conventional mineral-based technology formulas. This formulation is suitable for a large number of cooling circuits for light vehicles, trucks, commercial vehicles, ATVs, SSVs, motorcycles, etc. XCL Universal Antifreeze can meet most OEM specifications that require OAT technology. For optimal performance, it is recommended to completely drain the circuit before filling.

SPECIFICATIONS

This product offers the following performance level:

NFR	15601 (except Reserv Alc)
ASTM	D3306 / D4656
BS	6580
Japan Standard	JIS K2234
MIL	BT-PS-606A
DCSEA	615-C E-L-1415b / TSD 8704 / NATO S759
SAE	J1034
RENAULT	41-01-001/--S TYPE D

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VW, AUDI, SKODA, SEAT	TL-774 D (G12) et F (G12+) (skoda 61-0-0257)
FORD	WSS-M97B44-D
MB	325.3 (326.3 ready mix)
GM	6277M W3420 / Saturn
JAGUAR	CMR 8229/ WSS-M97B44-D
MAN	324 type SNF
IVECO	18-1830.A002
MITSUBISHI	MHI
SUZUKI	Santana
MG Motors	OAT
ROVER	OAT
CLAAS	OAT
DAF	Paccar 74002
DEUTZ	0199-99-1115/0199-99-2091
VOLVO	128 6083/002
MACK	014 GS 17009
ISUZU	OAT
JENBACHER	TA 1000-0200
IRISBUS	Karosa
DETROIT DIESEL	Power Cool Plus
HITACHI, KUBOTA, YANMAR, KOMATSU	07.892 (2009—)
JOHN DEERE	JDM H5
TATA MOTORS	CMR 8229
MAZDA	MEZ MN 121 D / TI 13-82

PROPERTIES

- Long-lasting action.
- Homogeneous protective film.
- Eco-friendly. Free from borate, nitrite, amines, and phosphates.
- Very high aluminum protection.

TECHNICAL DATA

	Antifreeze	ASTM 3306	Method
Ash content	1.1 %w/w typ	5% w/w max	ASTM D1119
Water content	5% max	5% w/w max	ASTM D1123
Colour	Yellow		
Density, 20°C	1.113		ASTM D 5931
Boiling point	Typ>180	>163°C	ASTM D1120
Alkalinity reserve (pH 5.5)	6.2	report	ASTM D1121
pH at 20°C	8.6	7.5 à 11	ASTM D1287
Refractive index, 20°C	1430		ASTM D1218
Freezing point 40%v/v	-30°C (-27°C)		ASTM D1177
Freezing point 50%v/v	-40°C	<-35°C	ASTM D1177

The information contained in this sheet is provided for reference only. Because of continual product development, changes may occur without prior notice. No liability for damages caused by the incompleteness or incorrectness will be accepted.

RECOMMENDATIONS

Handling : any safety information related to the handling and use of this product are gathered in the Safety Data Sheet. Always check the manufacturer car manual before use.

Storage : it is recommended to use the product within 36 months. It should be stored in its original packaging, closed, and protected from light, humidity and excessive temperature.

REFERENCES & AVAILABILITIES

7111	12x1L
7113	3x5L
7115	20L
7118	200L