



MORRIS
LUBRICANTS

Product Information:

XL COOLANT

HYBRID OAT ANTIFREEZE COOLANT

Description

XL Coolant is a green engine coolant concentrate based on ethylene glycol. It contains a hybrid corrosion inhibitor package with salts of organic acids and silicates. It is free of nitrites, amines and phosphates.

XL Coolant was developed to protect car, truck and bus engines of both ferrous and aluminium construction against corrosion and frost damage. It contains a blend of inhibitors designed to give a high degree of corrosion protection to engine components such as radiators, cylinder blocks/heads and water pumps.

XL Coolant meets the requirements of both the ASTM D 3306 and BS 6590:1992 – standards.

Also meets the following OEM specifications:

BMW:	BMW N 600 69.0	MTU:	MTL 5048
German Army:	TL 6850-0038/I	Opel/General Motors:	B 040 0240
KHD:	H-LV 0161 0188	Saab:	6901599
MAN:	MAN 324-NF	VW/Audi/Seat/Skoda:	TL 774-C
Mercedes-Benz:	DBL 7700.20, page 325.0		

Cautionary note:

Most coolant blends are based on carefully balanced mixtures of various corrosion inhibitors. Mixing of coolants with different inhibitor packages can lead to loss of corrosion protection. XL Coolant should not be mixed with silicate free, OAT (Organic Acid Technology) engine coolants. For preparation of the coolant use clean, not overly hard water. **DO NOT** use waste water from mining, sea water, brackish water, brine or industrial waste water.

Performance

Solution % Vol.	Freezing Point °C
33	-18
50	-38

Physical Characteristics

Appearance	Clear Liquid
Density at 20°C, g/cm ³ (DIN 51 757/4)	1.121 – 1.123
Refractive Index at 20°C (DIN 51 423/2)	1.432 – 1.434
Reserve Alkalinity, M/10 HCL (ASTM D1287)	13 – 15 ml
pH Value (ASTM D1287)	7.1 – 7.3
Boiling Point, °C (ASTM D 1120)	≥165
Flash Point, °C (DIN ISO 2592)	>120
Ash Content, % (ASTM D 1119)	max. 1.5
Water Content, % (DIN 51 777/1)	max. 3.5

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