



Texol™ Multifreeze RDM Ready

Technical Data Sheet

Texol™ Multifreeze RDM Ready
Extended life antifreeze coolant

Product Description

Texol™ Multifreeze RDM Ready is formulated with low toxicity, environmentally friendly carboxylic acids, combined with propylene glycol base technologies. Designed with advanced patented organic and aliphatic acid additives, Texol™ Multifreeze RDM Ready delivers maintenance free extended-life or whole life protection against all types of corrosion in all types of metal coolant system component.

Texol™ Multifreeze RDM Ready offers excellent protection to both ferrous alloys and aluminium and provides high-level corrosion resistance to aluminium heat transfer surfaces in modern engines. These high performance heat transfer capabilities offer increased flexibility in engine design.

Texol™ Multifreeze RDM Ready's synergistic combination of mono-and di-carboxylic acid technologies deliver proven maintenance-free frost, boil over and corrosion protection. In truck and bus systems it offers 600,000 kms (or 8,000 hours) of high reliability system protection, 250,000 km (or 2,000 hours) in passenger car systems and at least 32,000 hours (or 6 years) in stationary engines. This high performance fluid should be replaced every five years, or at the indicated times above whichever comes first.

Texol™ Multifreeze RDM Ready's synergistic combination of additive Technologies optimises cooling system service life and reliability. Texol™ Multifreeze RDM Ready's highly stable depletion-free corrosion inhibitors deliver world-class extended life or whole-life reliability and protection to all system components, including water pumps, thermostats and radiator units.

Texol™ Multifreeze RDM Ready is resistant to cavitation through superior nitrate-free design, and is also a silicate and phosphorus-free formulation. Texol™ Multifreeze RDM Ready's highly stable design delivers high performance stability in hard water solutions.

Applications and Uses

- Texol™ Multifreeze RDM Ready may be used with confidence in engines manufactured from cast iron, aluminium or combinations of the two metals, and in cooling systems made of aluminium or copper alloys. Texol™ Multifreeze RDM Ready is particularly recommended for hitech engines, solar thermal energy systems, in particular for the application in flat-plate collectors and heat pipe systems. Where high temperature aluminium protection is important. For racing cars the use of extended life corrosion inhibitor is recommended, an aqueous solution of the same carboxylic acid inhibitors.



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- Texol™ Multifreeze RDM Ready is compatible with most other coolants based on propylene glycol. Exclusive use of Texol™ Multifreeze RDM Ready is, however, recommended for optimum corrosion protection and sludge control. Also the use of soft water is preferred for dilution. Laboratory testing has shown that acceptable corrosion results are still obtained with water of 20°dh, containing up to 500 ppm chlorides or 500 ppm sulphates.

Typical Properties

Property (Unit)	RDM Ready	
pH	8.7	ASTM D1287
Water content	48%	ASTM D1123
Initial crystallization	<-30°C	ASTM D1177
Freezing protection	-33°C	
Specific gravity, 20°C	1.039	ASTM D1122
Reserve alkalinity (ph 5.5)	3.0	ASTM D1121
Refractive Index, 20°C	1.385	ASTM D1218
Equilibrium boiling point	108°C	ASTM D1120
Effect on non-metals	No effect	GME60 255
Staining characteristics	-	ASTM D1882
Thermal conductivity at 20°C W/mK	0.392	
Colour	Pink/Orange	

Technical Expertise

Texol experts on Multifreeze RDM Ready are regionally located to respond to your needs. Whether you have a question about products, applications or regulations, Texol offers comprehensive customer and technical service.

Storage and handling

- This product should be stored above -20°C and preferably at ambient temperatures. Periods of exposure to temperatures above +35°C should be minimised
- Exposure of the coolant in translucent packages to direct sunlight can degrade the dyes present in the coolant, and result in fading or discoloration over time. This reaction can be accelerated if coupled with high ambient temperatures. It is therefore advisable to store coolant in translucent packages indoors



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- It is strongly recommended to use new containers and not recycled ones
- As with ant antifreeze coolant, the use of galvanized steel is not recommended for pipes or any other part of the storage/mixing installation

Specifications

- | | |
|---------------|--------------------|
| • ASTM | D3306/D4656 |
| • BRB | BR637 |
| • BS | 6580 |
| • FVV | Heft R443 |
| • JASO | M325 |
| • JIS | K2234 |
| • KSM | 2142 |
| • MIL Belgium | BT-PS-606 A |
| • MIL France | DCSEA 615/C |
| • MIL Italy | 1415b |
| • MIL Sweden | FSD 8704 |
| • NFR | 15-601 |
| • Önorm | V5123 |
| • SAE | J1034 |
| • UNE | 26-361-88/1 |
| • DAF | 74002 |
| • MB-Approval | 325-3 |
| • Deutz | 0199-99-1115 (2) |
| • Deutz / MWM | 0199-99-2091 (4) |
| • Ford | WSS-M97B44-D |
| • GM | 6277M (+B040 1065) |
| • Komatsu | 07.892 (2001) |
| • MAN | 324 Typ SNF |
| • Yanmar | |
| • Thermo King | |
| • Mitsubishi | |
| • Saturn | |
| • Waukesha | |