



## Castrol Radicool Si-OAT

Engine Coolant and Antifreeze

### Description

Castrol Radicool Si-OAT is a nitrite, amine and phosphate free antifreeze coolant with added silicate for the latest vehicles requiring silicate containing OAT technology. Aqueous solutions of Castrol Radicool Si-OAT act as both antifreeze and coolant and offer excellent corrosion protection to all metal parts found in the cooling systems of internal combustion engines.

Castrol Radicool Si-OAT should be used at concentrations of between 33% and 50% dilution with purified water to give optimum corrosion protection and freezing protection between -18°C and -36°C.

### Application

Castrol Radicool Si-OAT has been developed to provide total protection for the metals used in the engine radiator systems, cylinder block heads, water pumps and heat exchangers.

Castrol Radicool Si-OAT is formally approved by MAN for use in those vehicles specifying MAN 324 Type Si-OAT coolants, including those vehicles built after Dec 2012.

Castrol Radicool Si-OAT is also suitable for use in older vehicles previously using MAN 324 Type NF and MAN 324 Type SNF fluids.

Castrol Radicool Si-OAT is approved for use in VW vehicles requiring VW TL 774G approved coolant. It is also compatible with older VW TL 774C (G11) and VW TL 774F (G12+) type fluids and can be used where VW TL 774J (G13) fluid is recommended.

Castrol Radicool Si-OAT is suitable for use in Mercedes Benz heavy duty vehicles manufactured after 10/2011.

In the majority of cases, coolants are not compatible and should not be mixed with other coolants unless directed by the equipment manufacturer. If using Castrol Radicool Si-OAT for the first time, ensure that the cooling system has been adequately flushed with clean water.

### Advantages

Castrol Radicool Si-OAT protects for up to 3 years and has the following advantages

- Excellent low temperature protection
- Provides superior protection against all forms of corrosion
- Eliminates deposit formation, because of its phosphate free formulation
- Approved for use in Euro 6 trucks

## Typical Characteristics

Name	Method	Units	Castrol Radicool Si-OAT
Density @ 20C, Relative	DIN 51757	g/ml	1.123
Water	ASTM D1123	% wt	2.6
pH, Engine Coolants / Antirusts	ASTM D1287		8.5
Alkalinity, Reserve of Engine Coolants	ASTM D1121	mg KOH/g	9.7
Freezing point ( 50% vol dilution in water)	ASTM D1177	°C	-38.0
Appearance	Visual	-	Clear, Magenta

## Product Performance Claims

ASTM D3306 (I)  
ASTM D4985  
BS6580:2010  
JASO JIS K2234  
MAN 324 Type Si-OAT  
MB-Approval 325.5  
VW TL- 774G

Castrol Radicool Si-OAT  
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