



## 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.

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.

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 (G12++) approval . It is also compatible with older VW TL774C (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.

### 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
- Minimises deposit formation, because of its phosphate free formulation
- Approved for use in Euro 6 generation truck and bus engines

## 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
Freezing point ( 50% vol dilution in water)	ASTM D1177	°C	-38.0
Appearance	Visual	-	Clear & bright

## 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 (G12++)

Castrol Radicool Si-OAT  
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Castrol New Zealand Limited  
Technical Advice Line 0800 10 40 60 Customer Service 0800 CASTROL (227 876)  
[www.castrol.co.nz](http://www.castrol.co.nz) [www.msds.castrol.co.nz](http://www.msds.castrol.co.nz)