



Product Data

Castrol Radicool Si-OAT Premix

Ready to use Engine Coolant and Antifreeze

Description

Castrol Radicool Si-OAT Premix is a ready to use engine coolant and antifreeze. It 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 Premix provides year round corrosion protection, and offers freezing protection down to -38°C.

Application

Castrol Radicool Si-OAT Premix 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 Premix for the first time, ensure that the cooling system has been adequately flushed with clean water.

Advantages

Castrol Radicool Si-OAT Premix protects for up to 3 years and has:

- Excellent low temperature protection
- Provides superior protection against all forms of corrosion
- Eliminates deposit formation, because of its phosphate free formulation

Typical Characteristics

Name	Method	Units	Radical Si-OAT Premix
Density @ 15.5°C	ASTM D1122	g/ml	1.075
Appearance	Visual		Clear & Bright
Colour	Visual		Pink
pH, Engine Coolants / Antirusts	ASTM D1287		8.5
Reserve Alkalinity	ASTM D1121	ml 0.1N HCl	4.5
Freezing Point, Coolant 50% vol in water	ASTM D1177	°C	-38

Product Performance Claims

ASTM D3306
ASTM D4985
BS 6580:2010
JIS K 2234
DTFR 29D120
MAN 324 Type Si-OAT
MB-Approval 326.6
VW-TL 774-G (G12++)

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Castrol Radical Si-OAT Premix
16 Feb 2026

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

www.castrol.com