



Product Data

Radicool SF Premix

Ready to use antifreeze coolant

Description

Castrol Radicool SF Premix is a long-life ready to use coolant based on monoethyleneglycol with advanced organic acid inhibitor technology. In contrast to traditional antifreeze coolants, Castrol Radicool SF Premix does not contain amines, nitrites, phosphates, silicates or other inorganic inhibitors.

Castrol Radicool SF Premix provides excellent corrosion protection particularly to those engines employing light metals. It is suitable for a wide range of OEMs equipment.

Castrol Radicool SF Premix works over a wide operating temperature range for effective engine cooling in all climates, and offers freezing protection down to -37°C.

Application

The special inhibitor package used in Castrol Radicool SF Premix enables longer drain intervals with excellent protection against corrosion, cooling system blockage, overheating and freezing. It is especially suitable for use in engines employing cast iron, aluminium, copper or combinations of these metals used in modern engine designs. It is also compatible with all standard rubber hoses, gaskets and seals used within the cooling system.

Castrol Radicool SF Premix possesses a longer operational life by allowing extended drain intervals of up to 5 years. Longer drain intervals mean reduced cost and less possibility of harm to the environment.

Castrol Radicool SF Premix provides excellent protection against cavitation corrosion and effective water pump lubrication, reducing wear and noise.

The additive technology used in Castrol Radicool SF Premix prevents the build up of calcium deposits (scale) from use of hard water, thereby reducing possibility of radiator blocking and restricted flow of coolant. This technology also improves the fluids heat transfer properties ensuring engines run at optimum temperatures.

Castrol Radicool SF Premix contains a bittering agent to deter from accidental ingestion.

Typical Characteristics

Name	Method	Units	R09266B
Alkalinity, Reserve of Engine Coolants	ASTM D1121	mg KOH/g	2.8
Appearance	Visual	-	Clear to slightly hazy liquid
pH, Engine Coolants (50%)	ASTM D1287	pH	8.5
Colour	Visual	-	Light red
Density @ 20C	ASTM D5931	g/ml	1.07
Freezing Point	ASTM D1177	°C	-37

Product Performance Claims

ASTM D3306(III)

ASTM D4985

ASTM D6210

BS 6580:2010

MAN 324 Typ SNF

DTFR 29D110

VW TL 774F (G12+)

Deutz DQC CB-14

DAF 74002

Suitable for use for MG vehicles manufactured from 2011 onwards.

Suitable for use for GWM.

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 the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Radicool SF Premix

02 Oct 2025

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