



## Castrol Radicool NF Premix

Ready to use engine coolant and antifreeze

### Description

Castrol Radicool NF Premix is a ready to use engine coolant and antifreeze formulated using monoethylene glycol and selected additives, free from nitrite, amine and phosphate inhibitors. It uses hybrid technology for the modern performance engines of cars and trucks. Castrol Radicool NF Premix requires no customer dilution therefore ensures the correct concentration is always used. Castrol Radicool NF Premix provides year round protection against corrosion, and offers freezing protection down to -37 deg C.

### Application

Castrol Radicool NF premix has been developed using Hybrid Additive Technology to provide total protection for modern 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 NF Premix for the first time, ensure that the cooling system has been adequately flushed with clean water before use.

### Advantages

Castrol Radicool NF premix has been developed to meet the growing demand from engine and vehicle manufacturers for a higher performance coolant that minimises environmental impact. It provides excellent protection against corrosion, and because it contains no phosphate, the problem of deposits in some modern performance engines is eliminated. In addition to providing excellent corrosion and low temperature protection, the use of the recommended level of anti-freeze will significantly reduce the likelihood of wet cylinder liner pitting due to "cavitation erosion". Cavitation erosion is caused by the implosion of air bubbles present in the coolant and which are attracted to the liner outer surface. These bubbles implode, resulting in the removal of minute amounts of liner material - this, if allowed to continue unchecked, will result in liner porosity and severe engine damage.

- OEM approvals
- Protects for up to 3 years
- Excellent low temperature protection
- Provides excellent protection against corrosion
- Efficient lubrication of water pumps
- Compatible with conventional seal and hose materials used in engine cooling systems
- Contains bittering agent

## Typical Characteristics

Name	Method	Units	Radicool NF Premix
Appearance	Visual	-	Clear & Bright
Colour	Visual	-	blue / green
pH, Engine Coolants / Antirusts	ASTM D1287	-	7.3
Reserve Alkalinity	ASTM D1121	ml 0.1N HCl	7.0
Foam, Tendency of Engine Coolants	ASTM D1881	ml	30
Foam, break time	ASTM D1881	seconds	3
Density @ 15C, Relative	ASTM D4052	g/ml	1.065
Freezing Point, Coolant 50% vol in water	ASTM D3321	°C	-37

## Product Performance Claims

ASTM D3306(III)

ASTM D4985

JASO JIS K 2234:2006

MAN 324 Typ NF

MTU MTL 5048

MB-Approval 326.0

Based on coolant concentrate conforming to:

BS 6580:2010

## Storage

Castrol Radicool NF premix has a shelf life of 3 years when stored in air tight containers. It can be stored in mild steel lacquer lined or HDPE containers. Galvanised containers and handling equipment should not be used.

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 Radicool NF Premix

17 Jul 2018

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. Material 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](http://www.castrol.com)