



React Performance DOT 4

Super DOT4 brake fluid.

Description

Castrol React Performance DOT 4 is a high boiling synthetic brake fluid which far exceeds the requirements of the SAE J1704, FMVSS 116 DOT 3 and DOT 4, ISO 4925 and JIS K2233 specifications. This product has been formulated from mixed polyalkylene glycol ethers and borate ester together with other high performance additives and inhibitors which give ultimate system protection against the effects of corrosion and high temperature vapour lock.

Castrol React Performance DOT 4 brake fluid is designed for use in all brake systems particularly those which are exposed to extreme conditions such as high performance vehicles and race conditions.

Application

Castrol React Performance DOT 4 brake fluid has been specifically designed to be a high temperature alternative to DOT 5.1 fluids. Its superior characteristics give added benefit in situations where extreme conditions are encountered and ultimate braking response required.

Castrol React Performance DOT 4 brake fluid is based on glycol ether and borate ester technology and as such has a high vapour lock point (measurement relating to high temperature performance under braking conditions). Because of the nature of this formulation, the vapour lock point can be sustained at a higher level than conventional glycol ether based fluids during the service life of the product.

Castrol React Performance DOT 4 brake fluid is specially engineered to cater for continuous start stop braking under city driving conditions, fast driving and hilly terrain where higher brake temperatures can be generated.

It is fully compatible with other fluids meeting FMVSS 116 DOT 3, DOT 4 and DOT 5.1 - however, in order to maintain the superior performance characteristics of Castrol React Performance DOT4 avoid mixing with other brake fluid products.

All conventional brake fluids deteriorate during use.

It is strongly recommended that Castrol React Performance DOT 4 should be changed according to the vehicle manufacturers advice. In the absence of such advice, a 2 year change period is recommended.

Conditions of Use

Castrol React Performance DOT 4 brake fluid should not be used in braking systems for which a mineral oil based fluid is recommended (for example, some Citroen systems, for which Castrol LHM is suitable and Rolls Royce systems, for which Castrol HSMO Plus is approved).

As with all brake fluids which contain glycol ethers, care should be taken to avoid spilling this product on paintwork, as it may have a damaging effect. In case of spillage, rinse the affected area with water immediately: Do not wipe.

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.

Typical Characteristics

Name	Method	Units	Castrol React Performance DOT 4
Viscosity, Kinematic -40C	IP 71	mm ² /s	1200 typical
Density @ 20C	IP 160	g/ml	1.07
Wet Equilibrium Reflux Boiling Point	SAE J1703	°C	180 min
ERBP (Equilibrium Reflux Boiling Point)	ASTM D1120	°C	260 min
Appearance	Visual	-	Clear & Bright, yellow liquid
pH	SAE J1703	pH	7.2

Product Performance Claims

FMVSS 116 DOT 4

ISO 4925 Class 4

JIS K2233

SAE J1703

SAE J1704

React Performance DOT 4

09 Nov 2010

Castrol, React Performance DOT 4 and the Castrol logo 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 Ltd, Wakefield House, Pipers Way, SWINDON, Wiltshire, SN3 1RE, Castrol (Ireland), Castrol Ireland Ltd, Wakefield House, Pipers Way, SWINDON, Wiltshire, SN3 1RE

Castrol UK Telephone: 01793 512712 Automotive Technical Helpline: 0845 082 1719 Orders/Enquiries: 0845 6008125 Castrol Ireland Telephone: +44 (0)1793

512712 Automotive Technical Helpline: 1800 509 353 Orders/Enquiries: 1850 930 394

www.castrol.com/uk

Page 2 of 2