



Product Data

React Performance DOT 4

Super DOT 4 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, JIS K2233 and AS 1960.1 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 DOT 4 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.

Typical Characteristics

Name	Method	Units	Castrol React Performance DOT 4
Density @ 20C	DIN 51757	g/ml	min 1.063
Wet Equilibrium Reflux Boiling Point	SAE J1703	°C	min 180
Water	DIN 51777	% wt	max 0.2%
ERBP (Equilibrium Reflux Boiling Point)	SAE J1703	°C	min 260
Appearance	Visual	-	Clear homogenous liquid
pH	SAE J1703	pH	min 7.0

Product Performance Claims

FMVSS 116 DOT 4
ISO 4925 Class 4
JIS K2233
SAE J1703
SAE J1704

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.

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