



## Castrol Brake Fluid DOT 4

DOT 4 Brake fluid

### Description

Castrol Brake Fluid DOT4 is a high boiling synthetic brake fluid which far exceeds the requirements of the SAE J1703, SAE J1704, FMVSS 116 DOT 4, ISO 4925 and Jis K 2233 specifications.

Castrol Brake Fluid DOT4 is designed for use in all brake systems particularly those which are exposed to extreme conditions.

### Application

This product has been formulated from mixed polyalkylene glycol ethers and borate esters together with other high performance additives and inhibitors which give ultimate system protection against the effects of corrosion and high temperature vapour lock.

The formulation has been developed such that 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 Brake Fluid DOT4 is fully compatible with other fluids meeting FMVSS 116 DOT3 and DOT4 however, in order to maintain the superior performance characteristics of Castrol Brake Fluid DOT4, avoid mixing with other brake fluids products.

All conventional brake fluids deteriorate during use. It is strongly recommended that Castrol Brake Fluid DOT4 should be changed according to the vehicle manufacturers advice. In the absence of such advice, a 2 year change period is recommended.

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.

### Conditions of Use

Castrol Brake Fluid DOT4 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 plus is suitable and Rolls Royce vehicles for which Castrol CHSMO Plus is approved).

#### 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.

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## **Typical Characteristics**

| <b><u>Name</u></b>                             | <b><u>Method</u></b> | <b><u>Units</u></b>     | <b><u>Castrol Brake Fluid DOT 4</u></b> |
|--|----------------------|-------------------------|---|
| <u>Density @ 20C</u>                           | <u>DIN 51757</u>     | <u>g/ml</u>             | <u>1.085 max.</u>                       |
| <u>Viscosity, Kinematic -40C</u>               | <u>ASTM D7042</u>    | <u>mm<sup>2</sup>/s</u> | <u>1400 max.</u>                        |
| <u>Wet Equilibrium Reflux Boiling Point</u>    | <u>SAE J1703</u>     | <u>°C</u>               | <u>165 min.</u>                         |
| <u>pH</u>                                      | <u>SAE J1703</u>     | <u>pH</u>               | <u>7.0-11.5</u>                         |
| <u>Water content - Karl Fischer</u>            | <u>DIN 51777</u>     | <u>%</u>                | <u>0.2 max</u>                          |
| <u>Transparency</u>                            | <u>Supplier</u>      | <u>:</u>                | <u>clear</u>                            |
| <u>ERBP (Equilibrium Reflux Boiling Point)</u> | <u>SAE J1703</u>     | <u>°C</u>               | <u>250 min.</u>                         |
| <u>Appearance</u>                              | <u>Visual</u>        | <u>:</u>                | <u>Amber coloured fluid</u>             |

## **Product Performance Claims**

JASO JIS K2233 Class 4

SAE J1703

SAE J1704

ISO 4925 Class 4

FMVSS 116 DOT 4

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