



Product Data Sheet

Brake Fluid DOT 3

Increased safety margin

Description

Castrol Brake Fluid DOT 3 is a high boiling synthetic brake fluid which meets the requirements of the SAE J1703, FMVSS 116 DOT 3, ISO 4925 and JASO JIS K2233 specifications. These are regarded by Castrol as minimum safety standards and as such have been used as the basis for the development of this product which therefore offers superior performance combined with a greater safety margin.

Castrol Brake Fluid DOT 3 is formulated from mixed polyalkylene glycol ethers together with lubricity additives and corrosion inhibitors. The high level of protection against wear and corrosion offered by this product will prolong the service life of the system components making it especially suitable for use in hydraulic clutch systems. It is fully compatible with other fluids meeting FMVSS 116 DOT 3, DOT 4 and DOT 5.1. In order to maintain the superior performance characteristics of Castrol Brake Fluid DOT 3, avoid mixing with non Castrol brake fluid products.

Application

Castrol Brake Fluid DOT 3 is designed for use in the hydraulic brake and clutch systems of passenger cars and commercial vehicles with the exception of those systems for which a mineral oil based fluid is recommended. As with all brake fluids which contain certain glycol ethers, care should be taken to avoid spilling this product on paint work as it may have a damaging effect. In case of spillage, rinse the affected area with water immediately. Do not wipe.

Conditions of Use

All conventional brake fluids deteriorate during use. It is strongly recommended that Castrol Brake Fluid DOT 3, should be changed according to the vehicle manufacturers advice. In the absence of such advice, it is recommended to change Brake Fluid DOT 3 after 1 year of use.

Typical Characteristics

| Name | Method | Units | Castrol Brake Fluid DOT 3 |
|---|------------|---------|---------------------------|
| Appearance | Visual | - | Bright clear liquid |
| ERBP (Equilibrium Reflux Boiling Point) | SAE J1703 | °C | 250 |
| Water Content Karl Fischer (volumetric) | ASTM D1123 | ppm / % | 0.1 |
| pH | SAE J1703 | pH | 7.0-11.0 |
| Wet Equilibrium Reflux Boiling Point | SAE J1703 | °C | min. 140 |
| Specific Gravity @ 20°C | IP 160 | - | 1.01 |

Product Performance Claims

FMVSS 116 DOT 3
ISO 4925 Class 3
JIS K 2233 Class 3
SAE J1703

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.

Brake Fluid DOT 3
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