

Product Information

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Brake & Clutch Fluids

Version: CC2/002

Valvoline™ Brake & Clutch Fluid DOT 5.1

For all disc-, drum- and anti-skid braking systems, used in passenger cars, trucks and other vehicles requiring DOT 5.1 level performance

A high performance synthetic brake fluid based on glycol ethers and derived borate esters for the most severe driving conditions.

Performance levels

SAE J.1704
FMVSS 116
ISO 4925

Applications

Brake & Clutch Fluid DOT 5.1 is specifically developed for hydraulic brake systems of cars, trucks and other vehicles driving under the most severe conditions, like rallying and racing, driving in mountain areas, stop-and-go driving, etc.

Suitable for cars with ABS and ASR anti-block and anti-slip systems.

Use only in its concentrated form out of a previously unopened or well sealed container. Always close the container directly after use, as the fluid absorbs moisture from the atmosphere, which reduces the service life of the product considerably. Never use drained brake fluid. Brake fluid can affect the vehicle paintwork, so remove spills immediately without rubbing.

Brake fluid should be drained from the vehicle every two years or 40.000 kilometers (24.000 miles) and refilled. Check your owner's manual for details.

Features and Benefits

Superior performance

Brake & Clutch Fluid DOT 5.1 is suitable for all disc- and drum- braking systems, used in passenger cars, trucks and other vehicles, requiring DOT 5.1 level performance.

Also suitable for cars with ABS and ASR anti-block and anti-slip systems. The product is safe for all materials used in the brake system.

Excellent performance under the most severe conditions, like rallying and racing, driving in mountain areas, stop-and-go driving, etc.

Excellent water absorption properties

The hygroscopic properties of Brake & Clutch Fluid DOT 5.1 means condensation water is absorbed which slowly lowers the boiling point. It is recommended that the product is refreshed every 2 years.

Excellent viscosity-temperature properties

Excellent viscosity-temperature properties over a very high and low temperature range. Stable viscosity over a long period.

Brake & Clutch Fluid DOT 5.1 has a high (270°C) dry boiling point.

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Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Material and Safety Data Sheet (MSDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

Protect the Environment

Take used brake and clutch fluids to an authorized collection point. Do not discharge into drains, soil or water.

Typical Properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

Brake & Clutch Fluid DOT 5.1	
Colour	Clear yellow
Appearance	Clear liquid
Viscosity, mm ² /s @ 100 °C.	2.2
Specific Gravity @ 20°C. ASTM D-4052	1.06-1.08
Dry boiling point °C.	270
Flash Point, PMCC, °C. ASTM D-92	129

**This information only applies to products manufactured in the following location(s):
Europe**

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Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

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Replaces – CC2/001

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