Brake & Clutch Fluids

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 J1704
FMVSS 116 DOT 5.1
ISO 4925 Class 5.1

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 & 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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Keeping the world moving since 1866™
Serving more than 100 countries around the globe, Valvoline Global Operations is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit **https://www.valvolineglobal.com/en-eur/** or **http://pisheets.valvolineglobal.com**

Health & Safety
For more information about environment requirements, product safe handling, storage, and disposal, please refer to the product Safety Data Sheet (SDS) available at **http://sds.valvolineglobal.com**

Typical properties

Brake & Clutch Fluid DOT 5.1	
Colour	Clear yellow
Appearance	Clear liquid
Viscosity @ 100ºC, mm^2/s	2.0
Viscosity @ -40ºC, mm^2/s	700
Specific Gravity @ 20°C. ASTM D-4052	1.060
Dry boiling point ºC	270
Wet boiling point ºC	183
Flash Point, COC, ºC ASTM D92	> 126
pH (50% vol.)	8.30

*****The data provided is for reference only and can be applied only for the specific production location.

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

Effective date: 6/5/2026

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