

# Brake Fluid

## Overview, features and benefits

www.boschautoparts.co.uk



**BOSCH**  
Invented for life



- ▶ Original Equipment quality
- ▶ Complete program for all vehicle applications
- ▶ Patented removal of residue – efficient and environmentally friendly
- ▶ Meets or exceeds all applicable safety standards

### Bosch range of brake fluids

Brake fluid is not only responsible for power transmission but also for lubrication of the hydraulic components of braking systems, protection against corrosion, and the prevention of any possible damage to seals, gaskets and hoses.

#### Five characteristics of Bosch brake fluids:

- ▶ Consistent transmission behaviour
- ▶ Top protection against the formation of vapour bubbles
- ▶ Optimum viscosity
- ▶ Additives for protection against corrosion and for lubrication
- ▶ Complying with all applicable safety standards

### Bosch Superfit: the high-performance lubricant

- ▶ Long-term durability thanks to low oil separation
- ▶ Lower tendency of collecting dust (pasting) than comparable products on the market
- ▶ Outstanding resistance to heat caused during braking
- ▶ Consistent performance in both high and low ambient temperatures

#### Just perfect for a professional assembly

- ▶ Metal-free, acid-free and non-conductive – and therefore non-corrosive
- ▶ Compatible with all metals and most rubber materials
- ▶ Ideally suited for both steel and aluminium brake calipers as well for ABS
- ▶ Can also be used for the assembly and protection of compressors, central lubrication units, seats rails, sliding roof guides, door catch straps and battery terminals



Brake fluid allows braking systems to achieve long service life and optimal performance

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### Bosch brake fluid range:



#### Bosch DOT 3

- ▶ Suitable for all hydraulic braking systems
- ▶ Mostly used for older vehicles
- ▶ Mixable with all brake fluids complying with SAE J1703, FMVSS § 571.116 DOT 3 or ISO 4925 unless the vehicle manufacturer specified otherwise
- ▶ Must not be mixed with common DOT 4 fluids!

DOT 3	Bosch
Dry boiling point (°C)	≥ 205
Wet boiling point (°C)	≥140
Viscosity at -40°C (mm <sup>2</sup> /sec)	1500



#### Bosch DOT 4

- ▶ Suitable for all hydraulic braking systems
- ▶ Mixable with all brake fluids complying with FMVSS § 571.116 DOT 4, SAE J 1704 or ISO 4925 unless the vehicle manufacturer specifies otherwise

DOT 4	Bosch
Dry boiling point (°C)	≥ 230
Wet boiling point (°C)	≥155
Viscosity at -40°C (mm <sup>2</sup> /sec)	1800



#### Bosch DOT 4 HP

- ▶ High-performance brake fluid for all hydraulic braking systems
- ▶ Low viscosity, thus particularly suitable for vehicles equipped with electronic braking systems (ABS/ ESP®)
- ▶ Mixable with all brake fluids complying with FMVSS § 571.116 DOT 4, SAE J 1704 or ISO 4925 unless the vehicle manufacturer specifies otherwise

DOT 4 HP	Bosch
Dry boiling point (°C)	≥ 260
Wet boiling point (°C)	≥170
Viscosity at -40°C (mm <sup>2</sup> /sec)	700



#### Bosch DOT 5.1 Super

- ▶ High-performance brake fluid for all hydraulic braking systems
- ▶ Suitable for applications related to racing and extreme driving conditions
- ▶ Mixable with all brake fluids complying with FMVSS § 571.116, SAE J 1703 or ISO 4925 unless the vehicle manufacturer specifies otherwise

DOT 5.1 SUPER	Bosch
Dry boiling point (°C)	≥ 260
Wet boiling point (°C)	≥180
Viscosity at -40°C (mm <sup>2</sup> /sec)	900

### Brake Fluid Summary:

- ▶ Original Equipment quality
- ▶ Complete program for all vehicle applications
- ▶ Patented removal of residue – efficient and environmentally friendly
- ▶ Meets or exceeds all applicable safety standards