



Advanced Lubricants Technology

Page 1 of 2  
BRAKE FLUID DOT 4

# Product Data Sheet

## **PERENNIAL BRAKE FLUID DOT 4**

Synthetic High Performance Polyglycol Brake Fluid & Clutch-Release Fluid

---

### PRODUCT FEATURES

**PERENNIAL Brake Fluid DOT 4** is a quality hydraulic fluid mixture of polyethylene glycol ethers and additives of minimum boiling point 260°C. It's formulated to offers good lubricity, anti-corrosion inhibitors and anti-oxidants protection to the operating system.

### APPLICATIONS

Meets or exceed DOT-4, FMVSS 116 DOT 4 and SAE 1704, AS 1960.1, ISO 4925 Class 4, HN 1796 and is suitable for use in both disc and drum brake systems and clutch systems where such fluids are specified.

### INSTRUCTIONS FOR USE:

1. Follow vehicle manufacturers' recommendations when adding brake and clutch fluids.
2. Keep brake and clutch fluids clean and dry. Contamination with dirt, water, petroleum products or other materials may result in brake or clutch failure.
3. Store brake and clutch fluid in its original container. Keep container clean and tightly closed to prevent absorption of moisture.
4. Periodic changes of fluid in both brake and clutch systems should be carried out according to motor manufacturers' instructions. Recommended that the brake fluid be changed every 12 months.

### COMPATIBILITY

Compatible and can be mixed with other brake fluids meeting the same requirement/specifications since there is a compatibility clause in the DOT standard. However, DOT 4 should never be mixed with mineral oil based fluid.

DO NOT WASH CYLINDER OR OTHER BRAKE PART WITH OIL, GASOLINE OR KEROSENE. AVOID SPILING BRAKE FLUID ON CAR FINISH OR BRAKE LINING.



## CUSTOMER BENEFITS

1. Very High temperature Performance : High temperature resistance provides superior boiling point and high vapour lock temperature.
2. Low Moisture Absorption : assists in maintaining high temperature performance throughout its service life.
3. Anti-corrosion : provides corrosion protection for metals used in braking systems including cast iron, aluminium, steel, copper, brass etc.
4. Elastomer Compatibility : Compatible with rubber seals and hoses.
5. Fluid Compatibility : Compatible and miscible with other DOT 4 Brake Fluids.

## TYPICAL SPECIFICATION

Appearance	Light Yellow (B&C)
pH	7.0 – 11.5
Boiling Point	260°C min
Wet Boiling Point	155°C min
Viscosity (mm <sup>2</sup> s) at -40°C	1500 max
Viscosity (mm <sup>2</sup> s) at 100°C	1.5 min
Corrosion (mg/cm <sup>2</sup> )	
Tinned Iron	+0.02
Steel	+0.01
Aluminium	+0.01
Cast Iron	+0.02
Zinc	+0.03
Brass	- 0.01
Copper	+0.05
Rubber Swelling (SBR)	
Increase in diameter,mm	0.1 – 0.45
IRHD	4

*\* The above specifications are typical of current production, variation in these characteristics may occur, but will not affect the product performance.*