

## Product Data Sheet

### Brake HD DOT 4

#### Description and Applications

**Saheli Brake HD DOT 4** fluid is extra high performance poly glycol based brake fluid developed for superior braking performance in a wide range of vehicles including those operating at higher temperatures. It contains oxidation and corrosion inhibitors to resist oxidation at the high temperatures encountered in the disc braking systems and to provide superior protection against corrosion of metallic components of the brake system. It exceeds the performance requirements of United States Federal Motor Vehicle Safety Standard (FMVSS) 116 DOT 4. It also meets the severe equilibrium reflux boiling point (ERBP) requirements (both dry and wet) of FMVSS DOT 5.1 standard and at the same time requirements of certain OEMs requiring higher cold temperature viscosity than the maximum allowed by the DOT 5.1.

#### Features and Benefits

- The extreme high boiling point of **Saheli Brake HD DOT 4** fluid reduces the impact of moisture absorption, delays onset of vapour lock and improves reliability and safety of braking system under extreme driving conditions.
- Superior oxidative stability resists oxidation at high temperatures encountered in disk braking systems.
- Superior high temperature stability and low temperature fluidity ensures trouble free operation.
- Effective corrosion inhibitors provide long-term corrosion protection to the metallic components of the brake systems.
- **Saheli Brake HD DOT 4** provides lubricity and system protection.
- Compatible with all seals and metals used in conventional braking systems requiring poly glycol brake fluids.

#### Applications

- **Saheli Brake HD DOT 4** fluid is recommended in hydraulic brake fluid systems (disk, drum and anti-locking brake systems) in cars, motorcycles and commercial vehicles where DOT 4 type of brake fluid is specified.
- **Saheli Brake HD DOT 4** is also suitable for hydraulic brake systems of certain OEMs requiring product meeting ERBP requirements but having higher cold temperature viscosity than the maximum allowed by the DOT 5.1 standard.
- For improved braking performance, **Saheli Brake HD DOT 4** can also be used in hydraulic brake systems of vehicles requiring DOT 3 or SAE J 1703 quality fluids.
- **Saheli Brake HD DOT 4** delivers excellent performance in hydraulic clutch systems requiring fluids of this quality.

**Warnings:** *Saheli Brake HD DOT 4 should never be used in place of or mixed with silicone based brake fluids (DOT 5). All brake fluids should be kept clean and dry. Dirt or water contamination can affect the performance of brake fluid and could cause brake system failure. Brake fluids can affect the vehicle paintwork, so remove spills immediately without rubbing.*

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#### Specifications

Meets:

- **FMVSS 116 DOT 4**
- **SAE J1703**

Test Parameters	Test Method	Typical Results
Density @ 15°C gm/cm <sup>3</sup>	ASTM D 4052	1.060
Viscosity @ -40°C mm <sup>2</sup> /s	FMVSS 116	<1800
Viscosity @ 100°C mm <sup>2</sup> /s	FMVSS 116	>1.5
Equilibrium Reflex Boiling Point (ERBP)	FMVSS 116	>260
Wet Equilibrium Reflex Boiling Point (WERBP)	FMVSS 116	>180
pH Value	FMVSS 116	7 to 11.5

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.

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