

# SYNTHETIC BRAKE FLUID

## DOT 4

### Product Description

SYNTHETIC BRAKE FLUID DOT 4 is a brake fluid, which produced from a glycol ether and high quality additives for corrosion protection of brake fluid system. This product comply with all specification requirements of FMVSS No. 116, ISO4925, SAE J1704 and also approved by the Thai Industrial Standards Institute (TISI) to achieve the TIS : 591-2011

### Benefits

- High boiling point and Resistant to high temperature operating condition.
- Provides good compatibility with rubber seal and other brake part.
- Prevents gum formation, thereby allowing the piston and the master brake cylinder to move smoothly and become more durable.

### Applications

- Recommended for the hydraulic brake system – both disc and drum brakes in passenger cars and commercial vehicle requiring DOT 4 fluids. It is also applicable to the clutch system.
- Recommendation : The brake system should be periodically checked as well as the brake fluid that need to be changed every 12-18 months to prevent contamination caused by other substances, especially humidity or water resulting in reducing the boiling point of brake fluid.

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### Typical Characteristics

Tests	Methods	Units	Results
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.862
Kinematic Viscosity at -40 °C	SAE J 1704	mm <sup>2</sup> /s	1,227
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	2.2
Reflux Boiling Point	SAE J 1703	°C	270
Wet Boiling Point	SAE J 1703	°C	174
pH value	FMVSS 116	°C	8.3
Color	ASTM D 1500		0.5

### Performance Standards

- FMVSS No. 116
- ISO 4925 class 4
- SAE J1704
- TIS 591-2011 : quality level 4

### Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>



Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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