



GUARD 4

PRODUCT DESCRIPTION:

GUARD 4 is composed of high molecular weight polyalkylene glycol ethers and borate esters, resulting in a DOT 4 quality fluid with a high boiling point. This formulation is specifically designed to maintain a higher vapor lock point compared to traditional glycol ether-based fluids throughout its service life. Additionally, it includes inhibitors to protect metallic brake components from corrosion and to minimize oxidation at elevated temperatures.

APPLICATION:

GUARD 4 can be used for vehicles with anti-lock (ABS) braking systems, hydraulic clutch systems requiring conventional fluids. GUARD 4 is recommended for passenger cars, commercial road transport, off-highway vehicles, agricultural tractors and motorcycles requiring DOT 4, SAE J1704 or ISO 4925 Class 4 fluid. GUARD 4 is miscible and compatible with high-quality DOT 3 and DOT 4 brake fluids. The optimal period of use for this brake fluid is, however, only ensured when it is used alone. It is recommended that the brake fluid be changed in accordance with the specifications from the vehicle manufacturer.

FEATURES & BENEFITS

- Excellent elastomer compatibility
- Assures a high degree of lubricating action on all moving components in the hydraulic brake circuit
- Extremely high wet and dry boiling points
- Excellent viscosity/temperature properties
- Excellent braking response due to high boiling point of fluid
- Highest thermal stability

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- FMVSS 116 DOT 3 and DOT 4
- SAE J 1703 and J 1704
- ISO 4925 (Classes 3 & 4)
- JIS K 2233

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	GUARD 4
DRY ERBP, min	D1120	°C	>230
WET ERBP, min	D1120	°C	>155
Kinematic Viscosity @ 100C, min	D445	cSt	1.5
Kinematic Viscosity @ -40C	D445	cSt	TBR
pH	D1287	-	7-11.5

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com