



PULSE 4

PRODUCT DESCRIPTION:

PULSE 4 is a high-performance brake fluid formulated with high molecular weight polyalkylene glycol ethers and borate esters to deliver exceptional DOT 4 quality. Its advanced formulation ensures a sustained high vapor lock point throughout the service life, outperforming conventional glycol ether-based fluids. PULSE 4 is engineered with corrosion inhibitors to protect metallic brake components and oxidation reducers to maintain stability under elevated temperatures, ensuring reliable braking performance and extended system life.

APPLICATION:

PULSE 4 can be used for vehicles with anti-lock (ABS) braking systems, hydraulic clutch systems requiring conventional fluids. PULSE 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. PULSE 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	PULSE 4 (Typical Specification)
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	<1800
pH	D1287	-	7-11.5

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internol.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.