



AION 4

PRODUCT DESCRIPTION:

AION 4 is crafted from high molecular weight polyalkylene glycol ethers and borate esters, resulting in a high boiling point fluid of DOT 4 quality. Its formulation is designed to maintain a higher vapor lock point throughout the product's service life compared to conventional glycol ether-based fluids. Additionally, it includes inhibitors to prevent corrosion of metallic brake components and reduce oxidation at elevated temperatures, ensuring long-lasting performance and protection.

APPLICATION:

AION 4 is suitable for vehicles with anti-lock (ABS) braking systems, as well as hydraulic clutch systems that require conventional fluids. It is recommended for passenger cars, commercial road transport, off-highway vehicles, agricultural tractors, and motorcycles that require DOT 4, SAE J1704, or ISO 4925 Class 4 fluid. AION 4 is miscible and compatible with high-quality DOT 3 and DOT 4 brake fluids, though optimal performance is ensured when used alone. It is recommended to change the brake fluid in accordance with the vehicle manufacturer's specifications.

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	AION 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 presented above is for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.