



AION 5.1 FULLY SYNTHETIC

PRODUCT DESCRIPTION:

AION 5.1 is a premium fully synthetic, polyglycol-based, non-silicone DOT 5.1 brake fluid designed for all driving conditions and brake systems, including disc, drum, and ABS applications. It delivers exceptional performance and system protection, featuring excellent viscosity-temperature stability across a wide range of high and low temperatures.

APPLICATION:

AION 5.1 is for use in applications requiring disc, drum and anti-skid braking systems used in vehicles requiring DOT 5.1.

FEATURES & BENEFITS:

- High wet boiling point
- Excellent low temperature stability
- Good temperature viscosity performance Excellent corrosion protection
- Compatibility with different rubber seals.
- Excellent thermal stability

PERFORMANCE LEVELS: Meets or Exceeds:

- FMVSS 116 DOT 5.1
- ISO 4925 (Class 5.1)

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	AION 5.1
Grade			DOT5.1
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	2.16
Density@ 20°C	ASTM D4052	°C	TBR
Wet Boiling Point	ASTM D1120	°C	187
Dry Boiling Point	ASTM D1120	°C	272
pH	ASTM D1287	-	7.49
Kinematic viscosity at -40°C	ASTM D445	cSt	TBR

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.