



PRODUCT DATA SHEET

ADNOC e-Brake Fluid DOT 5.1

DESCRIPTION

ADNOC e-Brake Fluid DOT 5.1 is a premium, high performance, fully synthetic, glycol based brake fluid with improved heat resistance, formulated with inhibitors to prevent the corrosion of metallic brake components and to reduce oxidation at increased temperatures. Its superior formulation with high wet and dry boiling points provides excellent results in safe braking at the most severe conditions.

APPLICATIONS

ADNOC e-Brake Fluid DOT 5.1 is recommended for hydraulically actuated brakes of modern vehicles equipped with driving control and assistance systems such as ABS, ESP or ADAS. It is especially suitable for electric and hybrid vehicles due to its high boiling points (dry and wet), and lower conductivity. It can also be used for motorcycles and clutch application of trucks and other heavy duty vehicles. It is miscible and compatible with high- quality synthetic brake fluids (DOT 3 and DOT 4). It must not be mixed with mineral or silicone-based brake fluids that meet DOT 5 specification.

BENEFITS

- **Good oxidation resistance under the most severe working conditions**
- **Improved fast reactions of ABS systems with electronic controls**
- **Excellent quick brake response at high and low temperatures**
- **Outstanding lubricity causes limited wear**
- **Superior protection against corrosion and rust**
- **Excellent resistance to foaming and air entrainment**

PERFORMANCE LEVEL

FMVSS 116 DOT 3 / DOT 4 / DOT 5.1

SAE J1703 / SAE J1704

ISO 4925 - Class 3/4/5.1/6/7

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PRODUCT TYPICAL CHARACTERISTICS

Properties	Units	DOT 5.1	Test Methods
Density @20°C	kg/L	1.06	ASTM D1298
Appearance	-	Clear	Visual
Color	-	Yellowish	
pH value	-	7 – 11.5	ASTM D1287
Boiling Point, Min.	°C	265	SAE 1704
Wet Boiling Point, Min.	°C	180	SAE 1704
Water content, Max.	ppm	1500	ASTM D1364
Kinematic Viscosity @-40°C, Max.	mm ² /s	700	ASTM D445
Kinematic Viscosity @100°C, Min.	mm ² /s	1.5	ASTM D445

Minor variations in product typical test data are to be expected in normal manufacturing.

Always follow the Original Equipment Manufacturer's recommendation (OEM) for the equipment operating conditions, product specification, drain interval and customer's maintenance practices.
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