SPINTA DOT 5.1

Product Code: SP-BR-5.1

Synthetic Brake and Clutch Fluid DOT 5.1

PRODUCT DESCRIPTION

SPINTA DOT 5.1 is a synthetic fluid formulated for hydraulic brake systems and clutches operating under high stress. Corrosion inhibitors and antioxidant additives help protect mechanical components, while its high dry and wet boiling points reduce the risk of vapor lock at elevated operating temperatures.

APPLICATIONS & BENEFITS

High Boiling Point High dry and wet boiling points provide a strong safety margin against vapor-lock formation in demanding braking conditions.

Low-Temperature Fluidity Low viscosity at -40°C supports prompt and reliable brake-system response in severe cold conditions.

Braking Safety Stable fluid performance supports safe braking under high thermal and operating stress.

KEY PERFORMANCE BENEFITS

Corrosion Protection Anti-corrosion and oxidation-resistant additives help preserve braking-circuit components and fluid performance over time.

Seal Compatibility Compatible with braking-system metals and sealing elastomers, helping avoid swelling or deterioration of compatible seals.

High-Stress Applications Suitable for hydraulic braking systems and clutches requiring DOT 5.1 performance.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels:

- DOT 5.1
- U.S. FMVSS No. 116
- ISO 4925
- SAE J 1703

Recommendation: Always use the brake-fluid grade specified by the vehicle manufacturer. Brake fluids are hygroscopic; avoid contamination and keep the container tightly closed. Do not mix with silicone-based DOT 5 fluid.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	DOT 5.1
Appearance	Visual	Clear
Color	Visual	Yellow
Density @ 20°C, kg/dm³	ASTM D 4052	1.065
Viscosity @ -40°C, cSt	FMVSS 116	830
pH	FMVSS 116	8.0
Water Content	ASTM D 1364	< 0.2%
Dry E.R.B.P., °C	FMVSS 116	270
Wet E.R.B.P., °C	FMVSS 116	180

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.

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