

TECHNICAL DATA SHEET

NASA Brake Fluid Dot 3

SECTION 1: Product Description & Advantages

1.1 Product Description

NASA Brake Fluid is a heavy-duty brake lubricant with special additives and meets international standards: **FMVSS NO 116 DOT3 JIS K2233** and **SAE J1703**. For a smooth and reliable braking system, brake fluid should be filled regularly. NASA Brake Fluid has a constant viscosity that is important for the stability of your braking system. Inadequate viscosity can affect the functionality of your braking system. It also provides protection against the corrosion as moisture enters the system. Effective additives are present in this brake fluid that provides stability and strengthens your braking system.

1.2 Advantages

1. High boiling point.
2. Low viscosity at -40°C.
3. Minimum swelling on rubber surfaces.
4. Anti-corrosive properties on all metals.
5. High lubricant power.
6. Good chemical stability.

SECTION 2: Typical Data

Method	Text Description	Result
SAE J1703	1) Specific Gravity at 20 °C	1.100
	2) Kin. Viscosity at 100 °C	2.68
	Kin. Viscosity at 40 °C	12.39
	3) Equilibrium Reflux Boiling point, °C	222
	4) Wet Equilibrium Reflux Boiling point, °C	186
	5) pH Value	7.5
	6). Effect On S.BR Ruber at 120 °C, 70 hrs	
	a) Increase In Hardness	NIL
b) Decrease In Hardness	10	
c) Base Diameter Increase	0.25	
d) Disintegration Of Cup	No tackiness blisters or sloughing	



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