

MAK BRAKE FLUID SUPER DOT 3

High performance hydraulic brake fluid for automotive vehicles

MAK Brake Fluid Super DOT 3 is a high performance synthetic hydraulic brake fluid. It is formulated based on polyglycol ether technology to provide the highest level of brake performance in modern as well as older model automotive vehicles. MAK Brake Fluid Super DOT 3 is also fortified with anti-oxidant, metal de-activator and corrosion inhibitor to provide long service life to the brake fluid and also the brake components. This fluid has high Equilibrium Reflux Boiling Point (ERBP) which helps in reducing the vapor locking problem in high temperature operating conditions, especially in city driving where stop-go conditions require frequent application of brakes.

Applications:

MAK Brake Fluid Super DOT 3 is a hydraulic brake fluid recommended for use in all type of automotive vehicles such as 2/3 wheelers, passenger cars, light/ heavy commercial vehicles, agricultural tractors, etc. for disc and drum brake. This fluid is also suitable for use in hydraulic clutch systems. It is suggested that MAK Brake Fluid Super DOT 3 should be changed according to the vehicle manufacturer's recommendation.

Performance/ Benefits:

Resistance to Oxidation and Thermal Degradation – enhanced high temperature oxidation stability resists the effects of oxidising agents and thermal stress. Extends life of brake fluid.

Outstanding Lubrication – high performance additives offers excellent lubricity and ensure adequate lubrication and protection to all brake system components.

Superior Anti-corrosion Property – prevents corrosion of metal parts in braking system and thereby offers superior rust protection and reduced maintenance cost.

Very High Reflux Boiling Point – high ERBP provides superior braking performance under conditions of severe braking pressure and high operating temperature.

Excellent Compatibility – offers excellent compatibility with rubber seals which helps in minimizing leakage.

Quick Response – exhibits superb viscosity control over wide temperature range which helps in ensuring smooth and quick response of the braking systems.

Performance Level/ Specification:

- IS 8654: 2001 (Reaffirmed 2016)
- SAE-J-1703

Typical Physico-Chemical Data: MAK Brake Fluid Super DOT 3

Characteristics	Method	Value
Appearance	Visual	Clear & Bright
Color	Visual	Red
Density at 29.5°C, g/ml	ASTM D4052	1.023
Kinematic Viscosity, cSt	-	
a) -40°C	ASTM D445	778.2
b) 100°C	ASTM D445	2.05
Equilibrium Reflux Boiling Point (ERBP), °C	ASTM D1120M	215
Wet ERBP, °C	ASTM D1120M	152
pH	ASTM D1287	8.5
FMVSS-116	-	DOT 3

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 2 yrs. under protected conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the coolant from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.