



CHEMPOL DOT (Brake Fluid DOT 3, 4 & 5.1)

DESCRIPTION

CHEMPOL DOT are premium quality, non-silicone, non-mineral/petroleum based, fully synthetic brake fluid designed for use in a wide range of brake and clutch applications. It offers superior dry and wet boiling points and maintains viscosity in cold and hot environments.

APPLICATIONS

Recommended for re-fill or top-up of brake and clutch systems in passenger cars, 4WD's, motorcycles, light and heavy duty commercial vehicles, mining, construction and agricultural equipment that require a non-petroleum based brake & clutch hydraulic fluid.

DOT 5.1 Suitable for use where the vehicle manufacturer specifies either DOT 3, DOT 4, or DOT 5.1 fluids. It is also suitable for use with all types of seals, hoses and other brake and clutch system parts. Low viscosity (at -40C), for faster fluid circulation in micro-valves of ABS systems

DOT 4 Suitable for use where the vehicle manufacturer specifies DOT 3 or DOT 4 brake fluid. Better performance for life of fluid compared to DOT 3 fluids.

DOT 3 Suitable for use where the vehicle manufacturer specifies DOT 3 brake fluid.

NOTE: Intermixing of brake fluids of different grades is not recommended. Intermixing may impact braking performance of some brake systems. This product is not miscible with silicone based brake fluids. This product is not compatible with any mineral or synthetic oil based fluids

Product Benefits

- Excellent braking response due to high boiling point of fluid.
- High wet boiling point ensures long term retention of fluid performance.
- Better performance for life of fluid.
- Compatible with all common brake system materials
- Borate esters to scavenge water and maintain ERBP as the fluid ages
- Anti-corrosion properties: complete brake system protection.
- Elastomer compatibility: no leakage or fluid losses.

Recommendations

DOT 5.1 - FMVSS 116 DOT 5.1, DOT 4 and DOT 3, SAE J1703/ J1704, ISO 4925 (Class 5.1, 4 & 3)

DOT 4 - FMVSS, No. 116, DOT 4 and DOT 3, SAE J1703/J1704, ISO 4925 Class 4&3

DOT 3 - FMVSS No 116 DOT 3, SAE J1703, ISO 4925 Class 3, AS 1960-2005 Grade 1

Meets the quality requirements of European Manufacturers

Specifications

Specification / Characteristics

	DOT 5.1	DOT 4	DOT 3
Density at 20°C, g/ml, ASTM	1.069	1.040	1.031
Kinematic Viscosity at -40°C, mm ² /s, ASTM D445	810	1200	1300
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	2.16	2.6	2.4
Dry ERBP (FMVSS No. 116) S.11, °C (min.)	275	263	240
Wet ERBP (FMVSS No. 116) S.12, °C (min.)	187	165	150
pH (FMVSS No. 116) S.14	7.5	8.5	9.0
Boron	-	1.30 mass %	-
Corrosion Test @ 100°C for 120hrs	passes test	passes test	passes test

STORAGE STABILITY

Storage time is up to three years in sealed, metal, bulk containers. Protection should be provided to prevent any moisture contamination. Moisture contamination will result in a 5–10°C boiling point drop for each 0.1% of water absorbed.