

SHELL BRAKE AND CLUTCH FLUID, DOT 4 SUPER

HIGH BOILING POINT, HIGH PERFORMANCE DOT 4 BRAKE FLUID

DESIGNED TO MEET CHALLENGES

Shell Brake and Clutch Fluid, DOT 4 Super is a high performance glycol ether brake fluid designed to meet the performance requirements of Ford and Holden as well as other manufacturers requiring a high performance DOT 4 fluid. It offers superior dry and wet boiling points and maintains viscosity in cold and hot environments.

PROPERTIES

- Shell Brake and Clutch Fluid, DOT 4 Super has superior Dry and Wet Equilibrium Reflux Boiling Points (ERBP) to meet the requirements of Ford and Holden in Australia and New Zealand. The product contains borate esters to scavenge water and maintain ERBP as the fluid ages.

MISCIBILITY

- Though miscible with other brake fluids meeting Aust/NZ 1960.1, intermixing of brake fluids of different grades is not recommended. Always consult the vehicle manufacturer's recommendations before adding fluid. Intermixing may impact braking performance of some brake systems.
- This product is not miscible with silicone based brake fluids including those meeting Aust/NZ 1960.2. Mixing will result in an emulsion within the brake system and may cause seal failure.
- This product is not compatible with any mineral or synthetic oil based fluids. Use or contamination at even ppm levels of brake systems in most vehicles will result in seal failure, leakage, and subsequent loss in brake performance.

STORAGE STABILITY

Shell Brake and Clutch Fluid, DOT 4 Super is suitable for sale and use up to two years after packaging in sealed, individual containers. 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.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS

- Aust/NZ 1960.1, Class 2
- USA: FMVSS, No. 116, DOT 4
- SAE: J1704
- ISO 4925 Class 4
- J15 K 2233 Class 4
- Suitable to use wherever a DOT 4 fluid is required.

TYPICAL PHYSICAL CHARACTERISTICS

CHARACTERISTICS	33
Kinematic Viscosity @ 40°C mm ² /s @ 100°C mm ² /s	1200 2.6
Dry ERBP (FMVSS No. 116) S.11	265°C min.
Wet ERBP (FMVSS No. 116) S.12	170°C min.
pH (FMVSS No. 116) S.14	7.2
Reserve Alkalinity 0.1 N HCl/10ml	58ml
Boron	1.30 mass %
Water (ASTM D 1364)	< 0.2%
Appearance Undyed: Colourless to amber, free of foreign matter	
Appearance dyed: Green (alternative colours can be made available)	