

ACDelco Super DOT 4 Brake Fluid

Application

ACDelco Super DOT 4 is suitable for all vehicle makes and models specifying a “super DOT 4” or “DOT 4” brake fluid (for disc and drum brakes).

It's high performance optimises the benefits of superior boiling point and high vapour lock temperature compared to regular DOT 4 fluids.

These properties are maintained throughout its service life making it particularly suited to medium to high performance vehicles which can produce high thermal loads within the braking system.

ACDelco Super DOT 4 maintains a low viscosity under the harshest of Australian conditions (cold and hot) which allows for rapid anti-lock braking and electronic stability control (ESC) response times in vehicles equipped with Anti-lock Braking Systems (ABS) and ESC systems.

The product is compatible with all metals and rubber seals typically used in automotive braking systems.

Specification

Made with a unique blend of high performance glycol ethers, borate esters, corrosion inhibitors and fluid modifiers it has a minimum boiling point (ERBP) of 280°C and is compatible with all other brake fluids manufactured to DOT 4 or Super DOT 4 specification.

ACDelco Super DOT 4 significantly exceeds the minimum requirement set by Standards Australia (AS 1960.1 grade 3) and accepted industry standards: FMVSS No. 116 (DOT 4), SAE J1704 (borate ester brake fluids) and ISO 4925.

ACDelco Super DOT 4 is approved by Holden (HN 1796) and meets Ford Australia (ESZ-M6C55-A) and Mitsubishi Australia standards.

Service Life

Over time all brake fluid will absorb water which has the effect of reducing the boiling point, (refer to diagram over page). For this reason ACDelco Super DOT 4 brake fluid is supplied in 500ml Bottles to ensure the product performs to specification. Once the container has been opened we recommend the product should be used within 14-days.

Brake fluid unless otherwise specified by the Manufacturer should be changed every 24 months under average driving conditions in order to maintain protection against vapour lock and corrosion.



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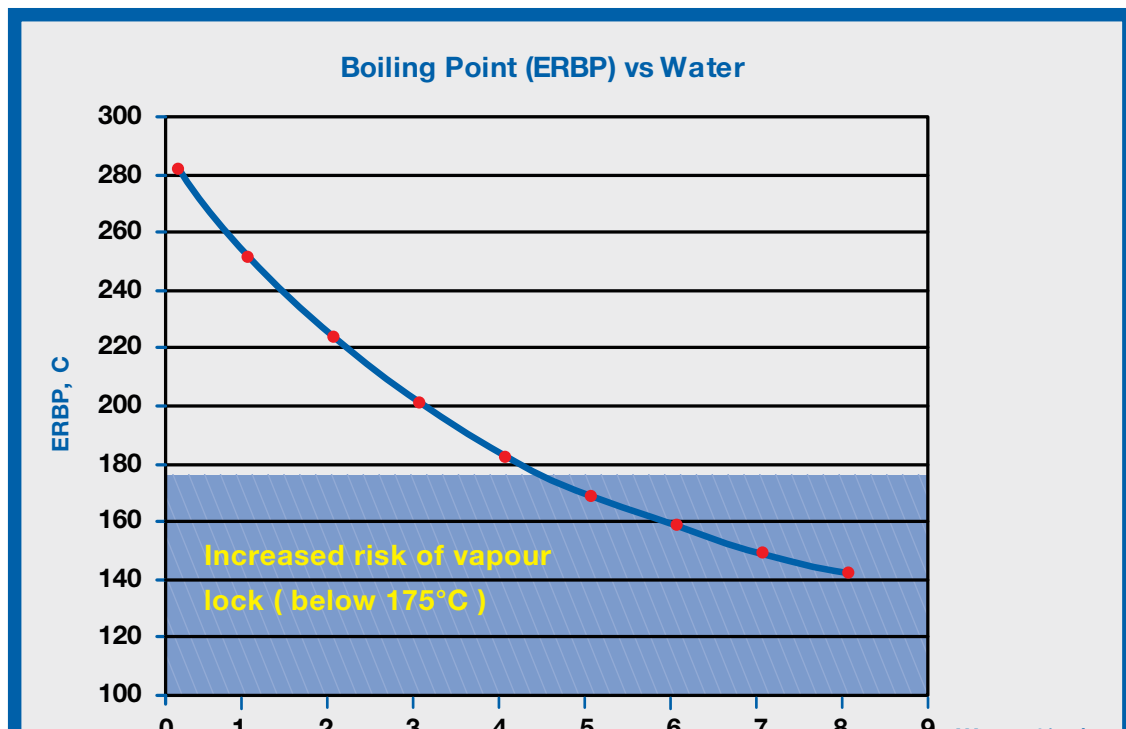
Key Properties

Property	Typical Result	AS/NZS 1960.1 (Grade 3)	SAE J1704	FMVSS No. 116 (DOT 4)	ISO 4925
Equilibrium Reflux Boiling Point (ERBP), C min	286	260	230	230	205
Wet Equilibrium Reflux Boiling Point (WERBP), C max	184	170	155	155	140
Viscosity (-40 C) mm ² /s max (100 C) mm ² /s min	1231 2.5	1800 1.5	1800 1.5	1800 1.5	1500 1.5

Other Typical Properties

pH	Reserve Alkalinity (ml)	Flash Point (°C)(Open Cup)	Density at 20°C (g/ml)	Solubility in water
7.8	58.4	156	1.074	miscible

Boiling point versus water uptake



The Equilibrium Reflux Boiling Point (ERBP) of the brake fluid decreases as water is absorbed by the brake system. It is recommended to replace ACDelco Super DOT 4 every two years to retain optimum performance.