

DOT5 Silicone Brake Fluid

AUTOMEC

Silicone Brake and Clutch Fluid DOT5

Automec's Silicone Brake Fluid repels moisture so, unlike standard polyglycol brake fluid, it never needs changing. Rust and corrosion are inhibited because moisture is kept out of the system and the high boiling point of 260 degrees C is maintained throughout the life of the product therefore ensuring consistent, safe performance. In addition, unlike glycol, silicone will not catch fire easily and will not damage your paintwork should any accidental spillage occur.

Made in the USA and used exclusively by the US Military in their light vehicles, Silicone Brake Fluid conforms to the US DOT5 standard as well as the US Federal Motor Vehicle Safety Standard 116 and US Military Standard MIL B46176.

**Extracts from Papers by
the Society of Automotive
Engineers (SAE) www.sae.org**

Silicone based brake fluids have demonstrated performance characteristics that are improvements over current brake fluids. They do not absorb water through elastomeric brake hoses, and their boiling point and low viscosity do not change in service. The tendency toward brake system corrosion and vapour pressure of silicone fluids are minimal. Silicone fluids are compatible with brake system components and will function as an effective brake fluid

even when mixed with glycol brake fluids.
SAE paper No. 740128 G.R.Browning
Electric Corp.

An examination of the properties desired in an ideal brake fluid indicates a near perfect fit with the properties of polydimethylsiloxanes, commonly referred to as silicones. A 168 car fleet operating over a seven year period by Dow Corning, silicone brake fluid has accumulated over 2.6million miles without maintenance. Examination of the hardware from selected vehicles has indicated that: (1) flush filling using a variety of bleeding techniques can reduce corrosion, increase brake system life and provide improved performance at low temperatures. (2) pure silicone systems will essentially eliminate brake system wear and corrosion for at least 70,000 miles with service periods in excess of 100,000 miles being feasible.
SAE paper 780661 Holbrook & Sloun
Dow Corning Corp.



WHY USE AUTOMEC SBF?

Lasts a lifetime, does not need changing
Guarantees consistent performance
Will not damage vehicle paintwork
Will not easily catch fire
Inhibits corrosion

www.siliconebrakefluid.com

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