



# DOT 5 Silicone Brake Fluid

**Meets Mil-PRF-46176B, DOT 5 & SAE J 1705 (Society of Automotive Engineers)**



DOT 5 Silicone Brake Fluid has a high Wet boiling point and Dry boiling point. It will provide a long service life.

### Specifications

Chemical Name	Polydimethylsiloxane
Appearance	Blue-purple viscous fluid
Military specs met	PRF-46176 PRF-46176B
Meets NSN No.	NSN-9150-01-0728379
Availability	1-gallon & 5-gallon pails
Minimum Order	1-gallon

**DOT 5 Silicone Brake Fluid** is a silicone-based (Polydimethylsiloxane CAS# 63148-62-9) fluid that is formulated specifically for used in hydraulic brake systems to provide corrosion protection and lubrication. DOT 5 Silicone Brake Fluid is recognizable by its bluish-purple color. In comparison to DOT 3 & DOT 4 Brake Fluids, DOT 5 provides higher thermal stability and higher dry and wet boiling points. In addition, being silicone-based, DOT 5 is hydrophobic and will not absorb water.

**DOT 5 Silicone Brake Fluid** has a service temperature range of -55°C to 55°C. Its dry boiling point (no water present) is 260°C and its wet boiling point (contains 3% water) is 180°C

Due to these properties, **DOT 5 Silicone Brake Fluid** is widely used by the military. It meets Mil-PRF-46176 & Mil-PRF-46176B. DOT 5 Brake Fluid also meets SAE J 1705 Society of Engineers.

**DOT 5 Silicone Brake Fluid** is compatible with a wide range of brake materials including SBR, EP, Neoprene and Natural Rubber.

### Features

- Blue-Viscous Fluid
- Silicone Based
- Non-Flammable
- Meet Mil-PRF 46176 and Mil-PRF-46176B
- Meets NSN 9150-01-0728379
- High Temp Serviceability: 55°C
- Low Temp Serviceability: -55°C
- Will not damage paint
- Will not absorb moisture
- Long service life

### CAS Information

Polydimethylsiloxane.....CAS# 63148-62-9  
Tributylphosphate.....CAS# 126-73-8  
Di-2-Ethylexyl Sebacate.....CAS# 122-62-3

### Typical Product Data

Viscosity	Specific Gravity	Appearance	Minimum Dry Boiling Point	Minimum Wet Boiling Point	Flash Point PMCC	Maximum Volatility %
42.7cSt	0.958	Blue fluid	260°C	180°C	>204C	NA

### DOT-5 Packaging

1-gallon pail.....3.6kg  
5-gallon pail.....18kg  
55-gallon drum.....200kg  
F.O.B. Phila, PA U.S.A.

### For More Information, Contact:

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