



HAVOLINE[®] BRAKE FLUID DOT 3

CUSTOMER BENEFITS

Havoline Brake Fluid DOT 3 delivers value through:

- **Good brake response** — Ensures good brake response under nonsevere service conditions.
- **Long fluid life** — Provides long fluid service life through good chemical stability.
- **Minimal leakage** — Minimizes leakage by providing the correct seal swell and lubrication characteristics.

FEATURES

Havoline Brake Fluid DOT 3 is a nonpetroleum, automotive brake fluid designed for use in conventional hydraulic brake and clutch systems operating under moderate service conditions.

APPLICATIONS

Havoline Brake Fluid DOT 3 is recommended for hydraulically operated motor vehicle brake systems, both drum and disc types, requiring a DOT 3 fluid, operating under moderate service conditions.

It is also suitable as a makeup or service refill of systems requiring DOT 3 or SAE J1703 fluid.

Havoline Brake Fluid DOT 3:

- is not suitable for vehicles operating in severe service conditions or where a DOT 4 fluid is specified.
- is **not** to be used where DOT 5 fluids are recommended, or in brake systems designed for use of silicone or mineral oil-based fluids.

Havoline Brake Fluid DOT 3 meets or exceeds the requirements of:

- U.S. Federal Motor Vehicle Safety Standard (FMVSS) 116 DOT 3
- SAE J1703 JUN91
- ISO 4925

TYPICAL TEST DATA

<i>CPS Number</i>	222204
<i>MSDS Number</i>	9023
Viscosity, Kinematic cSt at -40°C cSt at 100°C	1466 2.1
Equilibrium Reflux Boiling Point, °C(°F)	245(473)
Wet Equilibrium Reflux Boiling Point, °C(°F)	145(293)
pH	10.6

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.