



## Product Specification and Technical Data

**PRODUCT: BG DOT 4 Brake Fluid**

**PART NO.: 840**

### Typical Test Results

| TEST DATA: Test                                                | FMVSS* No. 116<br>Specifications | SAE** J1704<br>Specifications | BG DOT 4<br>Brake Fluid |
|----------------------------------------------------------------|----------------------------------|-------------------------------|-------------------------|
| Equilibrium Reflux Boiling Point, min . . . . .                | 230°C (446°F) . . . . .          | 230°C (446°F). . . . .        | 270°C (518°F)           |
| Wet Equilibrium Reflux Boiling Point, min . . . . .            | 155°C (311°F) . . . . .          | 155°C (311°F). . . . .        | 163°C (325°F)           |
| Kinematic Viscosity, at -40°C (-40°F), cSt max. . . . .        | 1800 . . . . .                   | 1500. . . . .                 | 1315                    |
| Kinematic Viscosity, at 100°C (212°F), cSt. . . . .            | >1.5 . . . . .                   | >1.5. . . . .                 | 2.34                    |
| pH . . . . .                                                   | 7-11.5 . . . . .                 | 7-11.5. . . . .               | 8.53                    |
| Fluid Stability                                                |                                  |                               |                         |
| High Temperature Stability, change, max. . . . .               | 3°C (5.4°F) . . . . .            | 5°C (9°F). . . . .            | -1°C (-1.8°F)           |
| Chemical Stability change, max. . . . .                        | 3°C (5.4°F) . . . . .            | 5°C (9°F). . . . .            | +1°C (+1.8°F)           |
| Corrosion weight change, mg/cm <sup>2</sup> max                |                                  |                               |                         |
| Tinned Iron . . . . .                                          | 0.2 . . . . .                    | 0.2. . . . .                  | -0.03                   |
| Steel. . . . .                                                 | 0.2 . . . . .                    | 0.2. . . . .                  | -0.01                   |
| Aluminum . . . . .                                             | 0.1 . . . . .                    | 0.1. . . . .                  | .nil                    |
| Cast Iron . . . . .                                            | 0.2 . . . . .                    | 0.2. . . . .                  | 0.07                    |
| Brass . . . . .                                                | 0.4 . . . . .                    | 0.4. . . . .                  | -0.05                   |
| Copper. . . . .                                                | 0.4 . . . . .                    | 0.4. . . . .                  | -0.05                   |
| Color. . . . .                                                 | Colorless to Amber . . . .       | Colorless to Amber. . . . .   | Pass                    |
| Resistance to oxidation - weight change mg/cm <sup>2</sup> max |                                  |                               |                         |
| Aluminum . . . . .                                             | 0.05 . . . . .                   | 0.05. . . . .                 | .nil                    |
| Cast Iron . . . . .                                            | 0.3 . . . . .                    | 0.3. . . . .                  | 0.06                    |
| Water Tolerance                                                |                                  |                               |                         |
| Sedimentation at 60°C (140°F), vol. % max. . . . .             | 0.15 . . . . .                   | 0.15. . . . .                 | Clear/No                |
| Effects on rubber cups (SBR) at 70°C (158°F)                   |                                  |                               |                         |
| Base diameter increase, mm . . . . .                           | 0.15-1.4 . . . . .               | 0.15-1.4. . . . .             | Pass                    |
| Hardness Decrease, IRHD max . . . . .                          | 10 . . . . .                     | 10. . . . .                   | Pass                    |

\*Federal Motor Vehicle Safety Standard No. 116 (DOT 4)

\*\*Society of Automotive Engineers (SAE) J1704

*continued on next page*

**DESCRIPTION:** BG DOT 4 Brake Fluid provides the ultimate high temperature protection, moisture resistance and lubricity for all disc and drum brake systems in which DOT 4 fluid is recommended. It meets or exceeds Federal Motor Vehicle Safety Standard (FMVSS) No. 116 (DOT 4) and surpasses Society of Automotive Engineers (SAE) J1704 specifications. BG DOT 4 Brake Fluid provides the ultimate in high temperature protection, moisture resistance, and lubricity.

Suitable for use in conventional and anti-lock (ABS) brake systems that require DOT 4 brake fluid. Use BG DOT 4 Brake Fluid to completely flush out all old fluid.

Keep container clean and tightly closed to prevent absorption of moisture.

**USAGE:** Clean all dirt from around cover on master cylinder before removing. Fill unit to level specified by manufacturer. Replace cover. Check fluid level once a month. To bleed system, refer to service manual. Do not reuse brake fluid from bleeding operation.

**CAUTION:** Never wash cylinders or parts with gasoline, kerosene, or oil. Avoid spilling fluid on car finish or brake lining.

For professional use. BG Products, Inc., accepts no liability for excessive use or misuse of this product.