# Product Specification

## Brake Fluid, DOT 3 EXPORT

**DOT 3 Low Boil Brake Fluid manufactured by Third Coast**

**Chemical is designed to meet or exceedthe following specifications.**

**Society of Automotive Engineers SpecificationJ1703**
**US Federal Motor Vehicle Safety Specification No. 116 DOT 3**

## Specifications

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|---|---|
| **Equilibrium Reflux Boiling Point (Dry)** | 205º C Min. |
| **Equilibrium Reflux Boiling Point (Wet)** | 140º C Min. |
| **Water, Weight %** Report | |
| **Kinematic Viscosity @ -40° C** | 1,500 cSt Max. |
| **Kinematic Viscosity @ 100° C** | 1.5 cSt Min. |
| **pH** 7 - 11.5 | |
| **High Temperature Stability Boiling Point Change 3ºC.** | |
| **Chemical Stability Boiling Point Change 3ºC.** | |
| **Corrosion Weight Change in mg. /sq. cm.** | |
| Tinned Iron | 0.2 Max. |
| Steel | 0.2 Max. |
| Cast Iron | 0.2 Max. |
| Brass | 0.4 Max. |
| Copper | 0.4 Max. |

No Pitting or Roughening of Test Coupons. No Jelling of Fluid/Water Mixture. No Crystalline Deposit on Jar Walls or Test Coupons. No Disintegration of Rubber Cups

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| Sedimentation, volume % | 0.10% Max. |
| pH of Water/Fluid Mixture | 7 - 11.5 |
| Decrease in Hardness of Rubber Cups | 15 IRHD |

# DOT 3 Low Boil Brake Fluid
# Specifications (Cont.)

Increase in Diameter of Rubber Cups 1.3970mm Max.

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|---|---|
| **Fluidity & Appearance @ -40º C** | |
| | No Stratification, Sedimentation Sludging or Crystallization |
| Air Bubble Travel Time | 10 Sec. Max. |
| Appearance at Room Temperature | No Stratification, Sedimentation Sludging or Crystallization |
| **Fluidity & Appearance @ -50º C** | No Stratification, Sedimentation Sludging or Crystallization |
| Air Bubble Travel Time | 35 Sec. Max. |
| Appearance at Room Temperature | No Stratification, Sedimentation |
| **Water Tolerance @ -40º C** | |
| Air Bubble Travel Time | 10 Sec. Max. |
| Appearance | Regain Clarity<br>No Stratification, Sedimentation Sludging or Crystallization |
| **Water Tolerance @ 60º C** | |
| Sedimentation | 0.15% Max.<br>No Stratification |
| **Compatibility @ 4.4º C** | No Stratification |
| **Compatibility @ 60º C** | No Stratification<br>No Sedimentation |
| **Resistance to Oxidation** | No Pitting or Etching Of Metal Strips |
| **Gum Deposits on Metal Strips** | Trace |
| **Weight Loss in mg. / sq. cm.** | |
| Aluminum | 0.05 Max. |
| Cast Iron | 0.3 Max. |

# DOT 3 Low Boil Brake Fluid
# Specifications (Cont.)

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|---|---|
| **Effect on Rubber @ 70º C** | |
| Hardness Decrease 10 IRHD Max. | 0.1524 -1.397mm |
| Diameter Increase | 0.1524 - 1.397mm |
| **Effect on Rubber @ 120º C** | No Disintegration |
| Hardness Decrease | 10 IRHD Max. 0.1524-1397mm |
| Diameter Increase | 0.1524 - 1.397mm |
| **Color** | Clear to Amber |

Note: Conversion from ºC to ºF is ºC*9/5 + 32= ºF
Conversion from ºF to ºC is (ºF-32)*5/9 = ºC