



LUBRICANTS



# Product Data Sheet

## FR Fluid G-200

### Fire Resistant Hydraulic Fluid

Premium water-glycol fire resistant fluid designed to provide optimum performance in hydraulic systems where fire resistant fluids are required such as those found in die-cast plants, steel mills, mining and foundries. It has been formulated using leading-edge additive technology that provides excellent service over a wide range of operating temperatures providing outstanding lubricity and anti-wear protection.

### Features and Benefits

- Morpholine free formulation
- Outstanding fire resistance performance
- Excellent shear stability and anti-wear protection
- Compatibility with other quality FR water-glycol fluids
- High viscosity index, low pour point, excellent heat transfer and antifoam performance

### Applications

- Vane, gear, and piston type pumps
- No secondary amines such as morpholine
- Sump temperatures < 150°F
- Hot strip mills
- Operating pressures up to 2500 psi
- Meets environmental, health, and safety standards
- Die casting equipment
- Hot metal presses

### Typical Properties

|   |             |               |
|---|-------------|---------------|
| ISO Viscosity Grade   | Test Method | 46            |
| Product Code  |             | 334348        |
| Color   | Visual      | Red           |
| Viscosity, cSt @ 40°C                                       | ASTM D-445  | 41.0          |
| Viscosity, SUS @ 100°F                                      | ASTM D-2161 | 200           |
| Viscosity Index   | Calculated  | 185           |
| Specific Gravity  | ASTM D-1298 | 1.085         |
| Density, lb/gal   | Calculated  | 9.07          |
| Pour Point  | ASTM D-97   | -47°C (-53°F) |
| Reserve Alkalinity, to pH 5.5                               | ASTM D-1121 | 20.5          |
| pH  | ASTM D-70   | 9.5           |
| Vickers Vane Pump Test,<br>Mg weight loss of ring and vanes | ASTM D-7043 | 10 – 15       |

*These properties are typical of current production, minor variations are to be expected in normal manufacturing.*

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