

CLARION® FOOD GRADE FR FLUID

Date 09/15

DESCRIPTION:

Clarion Food Grade FR Fluid is a premium ISO 46 water-glycol based fire resistant hydraulic fluid designed to provide excellent performance in hydraulic systems in applications where a product with NSF H-1 certification is required or desirable. This product has demonstrated in stringent testing the ability to "snuff out" ignition that can occur when a pressurized hydraulic leak comes into contact with a high temperature source.

QUALITIES:

- Approved by Factory Mutual under Group 1 (HFC) as a less flammable fluid. Approval number 3021353.
- NSF H1 registered lubricants (formerly USDA H1) for use in food processing plants under the jurisdiction and inspection of the USDA.
- Demonstrates lower overall system temperatures thereby providing better system performance.
- Demonstrated lower power consumption resulting in additional energy savings.
- FDA 21 CFR 178.3570 for incidental food contact (may not exceed 60 ppm).

APPLICATIONS:

Clarion Food Grade FR Fluid is designed for food process applications such as fryers, ovens, cookers and others where a fire resistant hydraulic fluid is desired.

Very high Viscosity Index, low pour point, and excellent heat transfer properties allow usage over a wide range of applications and operating conditions.

Note: As true with other water-containing fluids, the fluid should be monitored to ensure proper fire resistant properties.

TYPICAL PROPERTIES:

CLARION® FOOD GRADE FR FLUID

ISO Grade	46
Commodity Code	632503009
Specific Gravity, at 60°F Density, lbs/gallon Color Appearance Viscosity cSt at 40°C Pour Point, ASTM D 97, °F (°C) Flash Point, ASTM D 92 Rust Prevention G31-72 mod. Copper Corosion, ASTM D 130 pH. Vane Pump Wear Test, mg wear Rust Test, ASTM D 665A Bulk Modulus, ASTM D 6793 NSF Registered (Registration Number)	1.06 8.84 Water White Slight Haze 46 -58 (-50) None Pass 1A 8.9 <25 Pass 2.189 x 10 ⁶ kpa H1 (134001)
FDA, 21 CFR 178.3570	

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