

# CLARION® Food Grade FR Fluid



## OVERVIEW



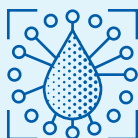
- Food grade water-glycol fire-resistant hydraulic fluid.
- Designed for food process applications such as fryers, ovens, cookers, and others where a fire resistant hydraulic fluid is required or desired.

## FEATURES & BENEFITS



- Very high viscosity index, low pour point, and excellent heat transfer properties allow use over a wide range of applications and operating conditions.
- Demonstrates lower overall system temperatures, thereby providing better system performance.
- Demonstrated lower power consumption resulting in additional energy savings.
- Approved by Factory Mutual under Group 1 (HFC) as a less flammable fluid. Approval number 3021353.
- Meets the requirements of U.S. FDA regulation 21 CFR 178.3570 for incidental food contact.
- NSF H1 registered for use in food processing plants under the jurisdiction of the USDA.

## APPLICATIONS



- Designed for food process applications such as fryers, ovens, cookers and others where a fire resistant hydraulic fluid is desired.
- **Note:** The water concentration in the fluid must be monitored and adjusted as needed to ensure proper fire resistance properties.

**PROPERTIES****Typical Properties for CLARION® Food Grade FR Fluid:**

<b>ISO Grade</b>	<b>46</b>
Commodity Code	632503009
Specific Gravity @ 60°F ASTM D1298	1.06
Density, lbs/gallon	8.84
Color	Water White
Appearance	Slight Haze
Viscosity, cSt at 40°C ASTM D445	46
Pour Point, °C (°F) ASTM D97	-50 (-58)
Flash Point, COC, °C (°F) ASTM D92	None
Copper Corrosion ASTM D130	1A
pH	8.9
Vane Pump Wear Test, mg wear	<25
Rust Test ASTM D665A	Pass
Bulk Modulus, kPa ASTM D6793	2.189 x 10 <sup>6</sup>
NSF Registered (Registration Number)	H1 (134001)
FDA, 21 CFR 178.3570	✓

CLARION® is a registered trademark of CITGO Petroleum Corporation. All other registered trademarks or trademarks are the property of their respective owners. Values shown are typical values only and do not constitute a specification. The information contained herein is subject to change without notice.