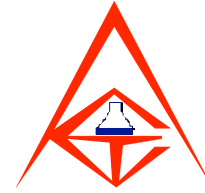


# PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



## FR WG 46 FG

*ISO-46, Water-Glycol, Hydraulic Fluid*

### **DESCRIPTION:**

FR WG 46 FG is an ISO VG 46 grade, water glycol hydraulic fluid qualified by Factory Mutual as a Group 1 (HF-C) less flammable fluid. The fluid components meet the requirements for FDA Specification 212 CFR 178.3570 Lubricants with incidental food contact (H1), Subpart F, Food Additive Amendment to the Federal Food, Drug and Cosmetic Act. FR WG 46 FG is NSF Certified with the Registration Number 124759.

FR WG 46 FG was designed for food processing applications that require a product to be used in the areas using fryers, ovens, cookers or any other methods requiring heat applications. Most insurance companies and risk management organizations recognize the extra requirements needed using mineral oil based hydraulic fluids.

FR WG 46 FG is compatible with most seal and hose materials. Materials that soften and swell in the presence of water may not be compatible. The fluid water content must be monitored to maintain the proper fire-resistance and viscosity integrity. Use only deionized or distilled water to replace any water loss.

### **TYPICAL PHYSICAL PROPERTIES:**

ISO Viscosity Grade	46
Color	Clear Liquid
Viscosity cSt at 40°C	44
Viscosity SUS at 100°F	205
Specific Gravity at 60°F	1.06
Weight (lb. per gal.)	8.83
Flash Point	N/A
Pour Point	- 50°C (- 58°F)
pH, Undiluted	9.5
Reserve Alkalinity	14.0
Water Content (Volume %)	>40
Four Ball Wear (ASTM D4172B modified) at 40 kg, 130°F, 1800 rpm	0.80 mm
Rust Test (ASTM D665A)	Pass
Rust Test (ASTM D130)	1A
Pump Test (ASTM D2882)	50 mg