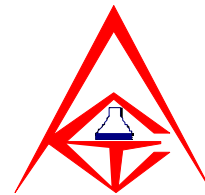


# PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



## FR WG 200-XP

*Water Glycol, Advanced Fire-Resistant Technology for Severe Hydraulic Service Environments*

Manufactured with UCON ADVANTA™ Hydrolube Concentrate  
from The Dow Chemical Company



FR WG 200-XP is a new high performance water-glycol hydraulic fluid concentrate designed to provide improved fire resistance while protecting equipment under severe service conditions. The product has been formulated from high quality glycol and polyalkylene glycol base oils and a proprietary additive package. FR WG 200-XP is The UCON ADVANTA™ Hydrolube Concentrate diluted with water (43 wt%). FR WG 200-XP is a HF-C classified fluid and is especially suitable for applications where fire resistance is critical. Industries and applications for use of FR WG 200-XP include:

- Steel rolling and general steel processing
- Aluminum rolling and die casting
- Mining

**Fire Resistance:** FR WG 200-XP fulfills all the fire testing requirements of ISO-12922 for HF-C fluids.

**Environmental:** readily biodegradable according to OECD301F.

**All Season Performance:** the high VI and low pour point mean the product can be used in cold and warm climates eliminating the costs of season changeovers which are common for hydrocarbon oils.

**Low Pump Wear rates:** excellent anti-wear properties can provide extended equipment service life and lower maintenance costs.

**Clean, Long-lasting:** when correct equipment maintenance procedures are followed, the product remains clean and does not form dangerous sludge and deposits.

### FR WG 200-XP

Typical Properties	Method	Results
Appearance	Visual	Red, Slight Haze
Viscosity, cSt @ 40 °C	ASTM D445	46
Viscosity Index	ASTM D2270	195
Pour Point, °F	ASTM D97	-50
pH	ASTM E70	9.5
Reserve Alkalinity	ASTM D1121	16-19
Water %	ASTM E203	42.5-44.5
Foam Characteristics	ASTM D892	
Sequence I, ml/ml		10/0
Sequence II, ml/ml		10/0
Sequence III, ml/ml		10/0

Flash & Fire Point, °F	ASTM D92	None
Factory Mutual	FMST 6930	ADVANTA
Rust Prevention	ISO-7120	Pass
Copper corrosion, 6 hr	ISO-2160	1A
Copper corrosion, 24hr	ISO-2160	1B
Biodegradability	OECD 301B	Readily Biodegradable
<u>High Pressure Pump Tests:</u>		
Vickers Vane V-104C	ASTM D7043	10-15
2000 psi, 1200 rpm, 65 °C, 100 hr		