



# HP Lubricants - Product Data Sheet

## FIRE RESISTANT HYDRAULIC & CIRCULATING OILS



### ENKLO FRIE 68, 100,150

ENKLO FRIE IS SPECIALLY FORMULATED HYDRAULIC OIL MEANT FOR APPLICATION IN AREAS PRONE TO POTENTIAL IGNITION SOURCES MAINLY IN MINES AND STEEL PLANTS. IT IS A HOMOGENOUS WATER-IN-OIL TYPE OF EMULSION, ALSO KNOWN AS INVERT EMULSION. THIS OIL IS CONSTITUTED OF MINERAL OIL ALONG WITH SPECIAL EMULSIFIERS, STABILISERS, RUST INHIBITORS AND OTHER PREMIUM QUALITY ADDITIVES.

MEETS, IS : 10532 (PART - 2) - 1993 AND HF - B CLASSIFICATION OF EUROPEAN MINES SAFETY COMMISSION.

### **PROPOSED USAGE :**

RECOMMENDED FOR USE WHERE THE OPERATING TEMPERATURE OF THE OIL RANGES FROM 5°C TO + 60°C . THIS OIL IS USED IN THE HYDRAULIC ROOF SUPPORT SYSTEMS IN MINES. IT IS USED IN SIDE DISCHARGE LOADERS, HYDROSTATIC SYSTEMS, SCOOP TRAMS AND SHUTTLE CARS IN MINING AND STEEL INDUSTRIES. THIS OIL IS SUITABLE FOR USE IN DINTING MACHINES, HEADING MACHINES, LOADERS AND CREEPERS. IT IS ALSO USED IN THE INJECTION MOULDING MACHINES IN PLASTICS AND DIE - CASTING INDUSTRIES.

### ENKLO FRWG 22,46,68

ENKLO FRWG IS A HYDRAULIC OIL FORMULATED FROM GLYCOLS FOR MEETING THE FIRE RESISTANT REQUIREMENT IN FIRE PRONE AREAS IN STEEL, MINING, DIE- CASTING AND PLASTICS INDUSTRIES. IT IS A TRUE SOLUTION OF GLYCOLS AND WATER. THIS GRADE IS COMPOSED OF PLOYAKYLENE GLYCOLS, SELECTED FOR WEAR REDUCTION,CORROSION INHIBITORS, ANTI-OXIDANTS, ANTI-FOAMANTS AND WATER.

MEETS IS : 10532 (PART- 3) - 1993 AND HF- C CLASSIFICATION OF EUROPEAN MINES SAFETY COMMISSION. **CONT...**

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## FIRE RESISTANT HYDRAULIC & CIRCULATING OILS

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### **PROPOSED USAGE :**

THE OPERATING TEMPERATURE OF THE OIL RANGES FROM – 20°C TO + 60°C. THIS OIL IS SUITABLE FOR USE IN THE HYDRAULIC SYSTEMS OF COKE OVEN BATTERY CARRIER, CRANE HYDRAULICS IN HIGH TEMPERATURE REGIONS OF STEEL PLANTS. IT IS USED IN CONTROL GOVERNORS IN STEAM TURBINES, IN POWER PLANTS. IT IS ALSO SUITABLE FOR USE IN HYDROSTATIC TRANSMISSIONS.

PROPERTIES	ENKLO FRIE			ENKLO FRWG		
	68	100	150	22	46	68
VISCOSITY, CST@40°C	61.2-74.8	90.2-110	135-165	19.8-24.2	41.5-50.6	61.2-74.8
FOAMING CHARACTERISTIC, SEQ I	← 150/NIL →			← 150/NIL →		
APPEARANCE	WHITISH EMULSION	WHITISH EMULSION	WHITISH EMULSION	CLEAR	CLEAR	CLEAR
RUST TEST with Synthetic Sea Water	← PASSES →			← PASSES →		

PRESS TO  
RETURN



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