

INFORMATION FORWARDED BY,  
DIXIE INDUSTRIAL SUPPLY  
DULLES, NC 704-482-5641

# MATERIAL SAFETY DATA SHEET

NOV 13 REC'D

r.0 C02970 DATE 12-2-85

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME		SUPPLIER	EMERGENCY TELEPHONE NO.
ENERPAC, DIV. OF APPLIED POWER		ENERPAC	(414) 781-6600
ADDRESS (Number, Street, City, State, and ZIP Code)			
13000 W. SILVER SPRING DR., BUTLER, WI 53007			
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS	
		ENERPAC HF-100 Hydraulic Fluid	
CHEMICAL FAMILY		FORMULA	
Petroleum Lubricating Oil		Below	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)		
PIGMENTS			BASE METAL				
CATALYST	-		ALLOYS				
VEHICLE			METALLIC COATINGS				
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX				
ADDITIVES			OTHERS				
OTHERS							
FORMULA:	XXXXXXXXXXXXXXXKXOXDXXXHHHGXKXHXKXGXKX			%	TLV (Units)		
Paraffinic Lube Stocks	96 - 100%						
Additive Containing							
Anti-wear Hydraulic oil	Zinc Dithiophosphate	0 - 1%					
Methacrylate Polymer	0 - 1%						
Blue Dye	Trace						

### SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	545	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.91
VAPOR PRESSURE (mm Hg.)	0.01	PERCENT, VOLATILE BY VOLUME (%)	None
VAPOR DENSITY (AIR=1)	11	EVAPORATION RATE (_____ =1)	None
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Clear Blue Liquid, very slight hydrocarbon odor		

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
COC 3200F		15	65
EXTINGUISHING MEDIA			
Foam, dry chemical, CO <sub>2</sub> water, halon			
SPECIAL FIRE FIGHTING PROCEDURES			
Use air supplied breathing equipment for enclosed areas. Cool exposed			
containers with water spray. Avoid breathing vapors.			
UNUSUAL FIRE AND EXPLOSION HAZARDS			
Do not mix with strong oxidants like liquid chlorine or concentrated oxygen.			

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