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U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME: MONSANTO COMPANY	EMERGENCY TELEPHONE NO.: (314) 694-1000
ADDRESS (Number, Street, City, State, and ZIP Code): 800 North Lindbergh Boulevard, St. Louis, Missouri 63166	
CHEMICAL NAME AND SYNONYMS: Mixture	TRADE NAME AND SYNONYMS: Pydraul 230A
CHEMICAL FAMILY: Hydraulic fluid	FORMULA: Mixture

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					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Not hazardous by definitions in 29 CFR section 1501.2 which pertains to this data sheet.		

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SECTION III PHYSICAL DATA

BOILING POINT (°F.) 760 mm.	650°F	SPECIFIC GRAVITY (H_2O=1) 25/25°C	1.133
VAPOR PRESSURE (mm Hg.) 200°F	0.28	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (BuAc =1)	< 1
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Clear green liquid - faint oily odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) COC 460°F		FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Water fog, foam, CO_2			
SPECIAL FIRE FIGHTING PROCEDURES	N.A.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N.A.			

Pydraul 230A

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 1.0 mg/m^3

EFFECTS OF OVEREXPOSURE: None at ambient temperature. At elevated temperature, irritation of mucous membrane, headache nausea. If repeated and prolonged, possible liver damage.

EMERGENCY AND FIRST AID PROCEDURES: Not likely to be necessary at ambient temperature. If exposed to high concentration at elevated temperature, remove patient to fresh air.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY *(Materials to avoid)*: None

HAZARDOUS DECOMPOSITION PRODUCTS: HCl, CO_2, CO, Soot, Phenolics, Aldehydes.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb on clay, sawdust, or other absorbent material, sweep up and dispose of in approved chemical landfill in accordance with local and state regulations.

WASTE DISPOSAL METHOD: Bury in chemical landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: Bureau of Mines organic respirator

VENTILATION	LOCAL EXHAUST: If needed at elevated temperature.	SPECIAL
	MECHANICAL *(General)*	OTHER

PROTECTIVE GLOVES: Rubber gloves for unavoidable repeated or prolonged contact.

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid inhalation of vapors. Avoid accidental eye contact and prolonged or repeated skin contact.

OTHER PRECAUTIONS: None

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, MONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

HOH:EPW:WBP 12/29/71

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