

MATERIAL SAFETY DATA SHEET

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

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	TRADE NAME AND SYNONYMS MCS 352	
CHEMICAL FAMILY Aircraft Hydraulic System Assembly Lubricant	FORMULA	

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)
Polymeric thickener in phosphate ester					*
* Not established					

SECTION III. PHYSICAL DATA

BOILING POINT (°F.)	760 mm (with decomposition)	~350°C	SPECIFIC GRAVITY (H ₂ O=1)	1.02
VAPOR PRESSURE (mm Hg.)	72°F.	7 mm	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)		N.A.	EVAPORATION RATE (= 1)	
SOLUBILITY IN WATER	Negligible			
APPEARANCE AND ODOR	Very viscous purple oil - mild pleasant odor			

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Open cup > 350°F.	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Dry powder, CO ₂ chemical foam, water fog			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not established

EFFECTS OF OVEREXPOSURE Impossible at ambient temperature. Excessive high temperature may produce irritating vapors.

EMERGENCY AND FIRST AID PROCEDURES Unlikely to be necessary. Remove to fresh air.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

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

Clean up like other liquids - such as petroleum oils

WASTE DISPOSAL METHOD Same as motor oil

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Not necessary due to lower vapor pressure at ambient temp.

VENTILATION	LOCAL EXHAUST If used at high temp.	SPECIAL
	MECHANICAL (General) Good practice	OTHER Not necessary except as good industrial practice.

PROTECTIVE GLOVES Not necessary

EYE PROTECTION as good industrial practice.

OTHER PROTECTIVE EQUIPMENT None

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Although no special precautions appear necessary, good industrial practice as to housekeeping, personal hygiene, etc. are recommended.

OTHER PRECAUTIONS

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