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U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
MONSANTO COMPANY	(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 OS 59
CHEMICAL FAMILY Coolant Dielectric fluid	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)
Not hazardous by definitions in 29 CFR Section 1501.2		
which pertains to this data sheet.		

SECTION III PHYSICAL DATA

BOILING POINT (At) 760mm (with decamp)	>700°F.	SPECIFIC GRAVITY (H_2O=1) 25/25°C	0.880
VAPOR PRESSURE (mm Hg.) 400°F.	2.2mm	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Clear, essentially colorless liquid - Mild pleasant odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) COC	>370°F.	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA	Dry powder, CO_2, chemical foam, water fog.			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

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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	

INCOMPATABILITY *(Materials to avoid)*: Moisture

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, soot, CO, CO_2

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 non-hazardous liquids.

WASTE DISPOSAL METHOD: Same as motor oil.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: Not necessary.

VENTILATION	LOCAL EXHAUST: If excessively high temp.	SPECIAL
	MECHANICAL *(General)*: Not necessary.	OTHER

PROTECTIVE GLOVES	Not necessary.	EYE PROTECTION	Not necessary except 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,

OTHER PRECAUTIONS: avoidance of prolonged and repeated skin contact and splashing in eyes is indicated.

DSW 267281

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:WPB 3/7/72

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