

Form Approved OMB
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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 Aroclor 1016; MCS 1016				
CHEMICAL FAMILY Chlorinated aromatic		FORMULA Mixture				
SECTION II HAZARDOUS INGREDIENTS						
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unrel)	ALLOYS AND METALLIC COATINGS	%	TLV	
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				%		
SECTION III PHYSICAL DATA						
BOILING POINT (°F.)		760 mm		325°C	SPECIFIC GRAVITY (H ₂ O=1) (25/15.5°C)	1.367
VAPOR PRESSURE (mm.Hg.)		(155-195°C)		3 mm	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)		Not Avail			EVAPORATION RATE (1-BuAc=1)	<1
SOLUBILITY IN WATER		20°C negligible		<0.01%		
APPEARANCE AND ODOR		colorless oil		slight aromatic odor		
SECTION IV FIRE AND EXPLOSION HAZARD DATA						
FLASH POINT (Method used) C.O.C. 180°C				FLAMMABLE LIMITS		
				Lel		Uel
				N.A.		N.A.
EXTINGUISHING MEDIA Water, foam, CO ₂ or dry chemical						
SPECIAL FIRE FIGHTING PROCEDURES						
Respiratory protection when fighting fires where exposure to vapors or gases is possible.						
UNUSUAL FIRE AND EXPLOSION HAZARDS						
Highly toxic gases (chlorides and chlorine) can be evolved in fires of this product.						

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Aroclor MCS 1016 SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
EFFECTS OF OVEREXPOSURE Skin irritation in the form of chloracne, systematic intoxication leads to nausea, vomiting, loss of weight, edema and abdominal pain
EMERGENCY AND FIRST AID PROCEDURES

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS CO, CO ₂ , smoke, soot, chlorides and chlorine			
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 absorbant material. Place in drums. Bury in approved chemical landfill in accordance with local and state regulations.
WASTE DISPOSAL METHOD Burn in an approved incinerator in accordance with local and state regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Bureau of Mines approved respirator for organic vapors.		
VENTILATION	LOCAL EXHAUST Yes - for vapors	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES rubber	EYE PROTECTION chemical goggles	
OTHER PROTECTIVE EQUIPMENT		

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Avoid skin and eye contact. Avoid inhalation of vapors.
OTHER PRECAUTIONS

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.

JAG:HOH:JTG:WBP

1/25/72