

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) 604-1000			
ADDRESS (Number, Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166							
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS Aroclor 1221				
CHEMICAL FAMILY Chlorinated Aromatic			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)		
SECTION III PHYSICAL DATA							
BOILING POINT (F.)		760 mm	275-320	SPECIFIC GRAVITY (H ₂ O = 1) (25/15.5°C)		1.187	
VAPOR PRESSURE (mm Hg.)		at 100°F		PERCENT VOLATILE BY VOLUME (%)		N.A.	
VAPOR DENSITY (AIR = 1)		Not Avail.		EVAPORATION RATE (BUAC = 1)		<1	
SOLUBILITY IN WATER		at 25°C negligible		<0.01%			
APPEARANCE AND ODOR		colorless oil		aromatic odor			
SECTION IV FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT (Method used)		Not Avail.		FLAMMABLE LIMITS		Let	Uet
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 fumes (chlorides and chlorine) can be evolved in fires of this product.					

DSW 267240

TOWOLDMON0011740

Aroclor 1221

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Not Available
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 Remove from exposure. Remove contaminated clothing. Wash contacted area with large amounts of water and soap. Refer to physician.	

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 (Refer to Bureau of Mines approved respirator for organic vapors.)			
VENTILATION	LOCAL EXHAUST	Yes - for vapors	SPECIAL vapors.
	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.		DSW 267241
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.

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