

Form Approved OMB
No. 44-R1387
Approval Expires:
July 30, 1972

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	
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 IN H_2O (25/15.5°C)	
VAPOR PRESSURE (mm Hg.)		at 100°F	> 205	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		Not Avail.		EVAPORATION RATE (1-PANAC = 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 (LFL) (UFL)	
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 H-F-111, CO ₂ , H ₂ S, chlorides and chlorine) can be evolved in fires of this product.					

MONS 029334

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

PRECAUTIONS 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 INFORMATION			
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 STORAGE	
Avoid skin and eye contact.	
Avoid inhalation of vapors.	
OTHER PRECAUTIONS	
MONS 029335	

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 THEREOF AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.