

Form Approved OMB
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U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
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MATERIAL SAFETY DATA SHEET

81115-246
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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 Aroclor 1232
CHEMICAL FAMILY Chlorinated Aromatic	FORMULA Mixtures

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 (P.F.)	760 mm	290-325°C	SPECIFIC GRAVITY (H ₂ O=1) (25/15.5°C)	1.271
VAPOR PRESSURE (mm Hg.)		.005	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 (Methods used)	C.O.C. 310°F	FLAMMABLE LIMITS	Not Avail.
EXTINGUISHING MEDIA	Water, foam, CO2 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.		

DSW 267520

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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 (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

DSW 267521

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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