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U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
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81115

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME MONSANTO COMPANY		TELEPHONE TELETYPE NO. (314) 694-1600
ADDRESS 800 North Lindbergh Boulevard, St. Louis, Missouri 63166		
CHEMICAL NAME AND SYNONYMS Chlorinated Aromatic		TRADE NAME AND SYNONYMS Arcoolor 1232
CHEMICAL FAMILY Chlorinated Aromatic		FORMULA Mixtures

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Parts)	ALLOYS AND METALLIC COATINGS	%	TLV (Parts)
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 (Parts)

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	760 mm	290-325°C	SPECIFIC GRAVITY H ₂ O (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 (PPE 400-500)	<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 (ASTM D56)	C.O.C.	310°F	FLAMMABLE LIMITS	Not Avail.	Loi	Uoi
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.						

MONS 029256

Aroclor 1232

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Not available.
EFFECTS OF OVEREXPOSURE	
Skin irritation in the form of chloroform, systematic intoxication leads to nausea, vomiting, loss of weight, edema and abdominal pain.	
IMMEDIATE AND FIRST AID PRECAUTIONS	
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
Bury in approved incinerator in accordance with local and state regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (See 4-1)		
Bureau of Mines approved respirator for organic vapors.		
VENTILATION	LOCAL EXHAUST	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.

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4/14/72