

Form Approved OMB
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U.S. DEPARTMENT OF LABOR

Form No. OSHA-
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME MONSANTO COMPANY		EMERGENCY TELEPHONE NO. (314) 684-1000
ADDRESS (Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166		
CHEMICAL NAME AND SYNONYMS Chlorinated Aromatic		TRADE NAME AND REGISTRATION NO. Aroclor 1221
FORMULA Chlorinated Aromatic	FORMULA Mixture	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Dose)	ALLOYS AND METALLIC COATINGS	%	TLV (Dose)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLES			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FILL		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Dose)

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	760 mm	275-320	SPECIFIC GRAVITY (H ₂ O = 1) (25/15.5°C)	1.35
VAPOR PRESSURE (mm Hg.)	at 100°F	> 100	PERCENT VOLATILE BY VOLUME (%)	> 1
VAPOR DENSITY (AIR = 1)	Not Avail.		EVAPORATION RATE (1 lb. H ₂ O = 1)	< 1
SOLUBILITY IN WATER @ 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	Not Avail
EXTINGUISHING MEDIA Water, CO₂, or dry chemical.			
SPECIAL FIRE FIGHTING PRECAUTIONS Respiratory protection when fighting fires where exposure to vapors or gases is possible.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Highly toxic gases (chlorides and chlorines) can be evolved in fires of this product.			

Krochlor 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

STABLE

X

CONDITIONS TO AVOID

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂, smoke, soot, chlorides and chlorineHAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII SPILL OR LEAK PROCEDURES

Absorb on clay, sawdust or other absorbant material. Place in drums. Bury in approved chemical landfill in accordance with local and state regulations.

HAZARDOUS WASTE METHOD

Burn in an approved incinerator in accordance with local and state regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Exposure)

Bureau of Mines approved respirator for organic

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 FOR HANDLING AND STORAGE

Avoid skin and eye contact.

Avoid inhalation of vapors.

OTHER PRECAUTIONS

MONS 029507

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

4/14/72