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U.S. DEPARTMENT OF LABOR

Form No. OSHA-2
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I				
MONSANTO COMPANY		Emergency Telephone No. (214) 604-1000		
800 North Lindbergh Boulevard, St. Louis, Missouri 63166				
Trade Name and Synonyms Chlorinated Aromatic		Product Mixtures		
SECTION II HAZARDOUS INGREDIENTS				
PAINTS, PRESERVATIVES, & SOLVENTS	TLV (mmHg)	ALLOYS AND METALLIC COATINGS	TLV (mmHg)	
PIGMENTS		BASE METAL		
CATALYST		ALLOYS		
VEHICLE		METALLIC COATINGS		
SOLVENTS		PAINTS METAL PLUS COATING OR COM. FILM		
ADDITIVES		OTHERS		
OTHERS				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES			TLV (mmHg)	
SECTION III PHYSICAL DATA				
Boiling Point (°F)	760 mm	290-325°C	Specific Gravity (25/15.5°C)	1.27
Vapor Pressure (mm Hg)	.005		Percent Volatile by Volume (%)	N.F.
Vapor Density (air = 1)	Not Avail		Evaporation Rate (Water = 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 (mm Hg)	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.				
Physical and Explosive Hazards Highly toxic fumes (chlorides and chlorine) can be evolved in fires of this product.				

GBRN 001570

Physical and chemical data	Not available.
Symptoms of exposure Skin irritation in the form of chloracne, systematic intoxication leads to nausea, vomiting, loss of weight, edema and abdominal pain.	
First aid and emergency treatment 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 (Hazardous reactions)			
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

Absorb on clay, sand, or other absorbent material. Place in drums. Bury in approved chemical landfill in accordance with local and state regulations.	
Burn in an approved incinerator in accordance with local and state regulations.	

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory protection Bureau of Mines approved respirator for organic vapors.		
VENTILATION	LOCAL EXHAUST	Yes - for vapors
	MECHANICAL EXHAUST	
PROTECTIVE GLOVES	rubber	EYE PROTECTION
		chemical goggles
OTHER PROTECTIVE EQUIPMENT		

SECTION IX SPECIAL PRECAUTIONS

Avoid skin and eye contact.	
Avoid inhalation of vapors.	
Other precautions	GBRN 001571

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, PONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

JAG:MOH:JTG:WBP

8/15/79