

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

U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
May, 1971

File with

MATERIAL SAFETY DATA SHEET

81110-259

SECTION I					
MANUFACTURER'S NAME MONSANTO COMPANY			EMERGENCY TELEPHONE NO. (314) 604-1000		
ADDRESS (Include Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166					
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS Inerteen 54201 CM		
CHEMICAL FAMILY Chlorinated aromatic			FORMULA Mixture		
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 COPE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
SECTION III PHYSICAL DATA					
BOILING POINT (°F)		760 mm	325-360°C	SPECIFIC GRAVITY IN H ₂ O (25/25°C)	
VAPOR PRESSURE (mm Hg)		(155-195°)	3 mm	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)				EVAPORATION RATE	
SOLUBILITY IN WATER		20°C negligible	<0.02%	1.844 g/cm ³ (25°C)	
APPEARANCE AND ODOR		colorless oil aromatic odor			
SECTION IV FIRE AND EXPLOSION HAZARD DATA					
FLASH POINT (ASTM D-93)		C.O.C. 180°C		FLAMMABLE LIMITS	
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.					

DSW 009562

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 & 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
	MECHANICAL (General)	
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	

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:MBP

1/26/72

DSW 009563