

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

U.S. DEPARTMENT OF LABOR

Form No. OSHA-20
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I			
MANUFACTURER'S NAME MONSANTO COMPANY		EMERGENCY TELEPHONE NO. (314) 604-1000	
ADDRESS (Name, Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166			
CHEMICAL NAME AND SYNONYMS Chlorinated aromatic		TRADE NAME AND SYNONYMS Inerteen 100-42	
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 CORE 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°d	SPECIFIC GRAVITY (20/20°) (25/25°C)	1.380
VAPOR PRESSURE (mm Hg) (155-195°)	3 mm		PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)			EVAPORATION RATE (1. BUTAC = 1)	<1
SOLUBILITY IN WATER (20°C negligible)	<0.02%			
APPEARANCE AND ODOR	colorless oil aromatic odor			

SECTION IV FIRE AND EXPLOSION HAZARD DATA				
FLASH POINT (MGT 1000000)	C.O.C. 180°C	FLAMMABLE LIMITS	Low	High
EXTINGUISHING MEDIA	Water foam, 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 chlorine) can be evolved in fires of this product.			

MONS 031453

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		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

TIPS TO RETAIN: IN CASE MATERIAL IS RELEASED OR SPILLED	
Absorb on clay, sandust 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 (Personnel) Bureau of Mines approved respirator for organic vapors.			
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 TO BE TAKEN IN HANDLING AND STORAGE	
Avoid skin and eye contact. Avoid inhalation of vapors	
OTHER PRECAUTIONS	

MONS 031454

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:JTC:WBP

1/26/72