

Form Approved OMB
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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 (Number, Street, City, State, and ZIP Code) 800 North Lindbergh Boulevard, St. Louis, Missouri 63166						
CHEMICAL NAME AND SYNONYMS			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°C		SPECIFIC GRAVITY IN 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 (PentAc = 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 (Method used)			C.O.C. 180°C		FLAMMABLE LIMITS	
					LCI	ULI
					N.A.	N.A.
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.						
UNUSUAL FIRE AND EXPLOSION HAZARDS Highly toxic gases (chlorides and chlorine) can be evolved in fires of this product.						

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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

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	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 STORAGE	Avoid skin and eye contact. Avoid inhalation of vapors
OTHER PRECAUTIONS	

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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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