

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: 800 North Lindbergh Boulevard, St. Louis, Missouri 63166							
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS Thirteen 70-30				
FORMULA 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				FILLED METAL PLUS COATING OR CORE PLUS			
Additives				OTHERS			
OTHERS							
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					%	TLV (Units)	
SECTION III PHYSICAL DATA							
BOILING POINT (°F.)		760 mm		200-400°C		SPECIFIC GRAVITY IN WATER (15.5/15.5°C)	1.523
VAPOR PRESSURE (mm Hg.)		Not Avail.		PERCENT VOLATILE BY VOLUME (%)		N.A.	
VAPOR DENSITY (AIR=1)		Not Avail.		EVAPORATION RATE (WATER=1)		<1	
SOLUBILITY IN WATER		20°C negligible		<0.01%			
APPEARANCE AND ODOR		colorless oil		aromatic odor			
SECTION IV FIRE AND EXPLOSION HAZARD DATA							
FLASH POINT (100-200 °F.)		None		FLAMMABLE LIMITS		LFL	UFL
						1.1	1.1
EXTINGUISHING MEDIA							
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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Inirteen 70-30 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 and 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, sand, or other absorbent 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 Vapors.
	MECHANICAL (Control)		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	

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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