

July 30, 1972

Form No. OSHA-
May, 1971

MATERIAL SAFETY DATA SHEET

SECTION I			
MANUFACTURER'S NAME MONSANTO COMPANY		EMERGENCY TELEPHONE NO. (314) 601-1000	
ADDRESS, including street, city, state, and ZIP Code 500 North Lindbergh Boulevard, St. Louis, Missouri 63166			
CHEMICAL NAME AND SYNONYMS Mixture		TRADE NAME AND SYNONYMS Areclor 1254	
FORM Chlorinated aromatic		FORM Mixture	
SECTION II HAZARDOUS INGREDIENTS			
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS
Pigments			Base Metal
Catalyst			Alloys
Vehicle			Metallic Coatings
Solvents			Filled Metal Plus Coating on Core Plate
Additives			Others
Others			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES			% TLV (Units)
GBRN 001579			
SECTION III PHYSICAL DATA			
Boiling Point (°F)	760 mm	365-400°C	Specific Gravity H ₂ O (25/25°C)
Boiling Point (°C)	180-220°C	3 mm	Percent Volatile by Volume (%)
Boiling Point (°C)			Evaporation Rate (lb/hr)
Solubility in Water	20°C negligible	<0.01%	
Appearance and Odor	Yellow viscous oil aromatic odor		
SECTION IV FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Closed Cup)	None		
Extinguishing Media			
Special Fire Fighting Procedures			
Respiratory protection when fighting fires where exposure to vapors or gases is possible.			
Hazardous decomposition products (chlorides and chlorine) can be evolved in fires of this product.			

EXHIBIT

K-106

SECTION V HEALTH HAZARD DATA

HAZARDOUS INGREDIENTS	0.5 mg/m ³ of air
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 (If none, so state)			
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

SPILL OR LEAK PROCEDURES	Absorb on clay, sawdust 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

HAZARDOUS PROTECTION INFORMATION Bureau of Mines approved respirator for organic vapors.			
VENTILATION	LOCAL EXHAUST	Yes - for vapors	SPECIAL
	MECHANICAL (hood)		OTHER
PROTECTIVE GLOVES	Rubber	Eye Protection	Chemical goggles
OTHER PROTECTIVE EQUIPMENT			

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS	Avoid skin and eye contact, avoid inhalation of vapors
OTHER PRECAUTIONS	

GBRN 001580

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:WDP

1/25/72

Monsanto

PRODUCT SPECIFICATION

MONSANTO INDUSTRIAL CHEMICALS CO.

PRODUCT Aroclor 1254

CODE NO 1040-281

GRADE

DATE EFFECTIVE August 5, 1975

CHARACTERISTICS

Color (APHA)
Condition
Sp. Gr. 65/15.5°C
Acidity (mg KOH/g)
Moisture
Refractive Index 25°C
Inorganic Chlorides
Pour Point
Dielectric Constant
(60 Hz, 100°C)
Distillation Range (by wt.)
(ASTM D-20 Corrected)
10%
50%
90%
Dielectric Strength 25°C
Fire Point
Power Factor (60 Hz, 100°C)
Bulk
Drums
Corrosion Tests
Weight change
A.C. Color (APHA)
A.C. Condition
A.C. Acidity (mg KOH/g)
A.C. Inorganic Chlorides
Viscosity 210°F (SUS)
Flash Point

LIMITS

50 max.
Clear
1.495 - 1.505
0.010 max.
35 ppm, max.
1.6375 - 1.6415
0.05 ppm, max.
7-12°C
4.25 - 4.55

366-378°C
371-383°C
379-394°C
35 KV, min.
None

1.0% max.
4.0% max.

0.0%
60 max.
Clear
0.010 max.
0.05 ppm, max.
44-48
None

GBRN 001581

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