

# MIREX

MRX

## CAUTIONARY RESPONSE INFORMATION

<b>Common Synonyms</b>		Solid crystals	White	Odorless
Dechlorane ENT 25,719 Hexachlorocyclopentadiene dimer Perchlorodihomocubane				
Keep people away. AVOID CONTACT WITH SOLID. Notify local health and pollution control agencies.				
<b>Fire</b>	Fire data not available.			
<b>Exposure</b>	CALL FOR MEDICAL AID.  SOLID POISONOUS IF SWALLOWED, INHALED, OR IF SKIN IS EXPOSED. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting.			
<b>Water Pollution</b>	HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.			

<b>1. CORRECTIVE RESPONSE ACTIONS</b> Stop discharge Collection Systems: Dredge	<b>2. CHEMICAL DESIGNATIONS</b> 2.1 CG Compatibility Group: Not listed. 2.2 Formula: C <sub>10</sub> Cl <sub>2</sub> 2.3 IMO/UN Designation: 6.1/1615 (>10%) 9/1615 (<10%) 2.4 DOT ID No.: 2761 2.5 CAS Registry No.: Currently not available 2.6 NAERG Guide No.: 151 2.7 Standard Industrial Trade Classification: 51136
<b>3. HEALTH HAZARDS</b>	
3.1 Personal Protective Equipment: Currently not available	
3.2 Symptoms Following Exposure: INGESTION, INHALATION, OR SKIN EXPOSURE: Gas-trointestinal irritation with nausea, vomiting, and possible diarrhea. Malaise, headache, CNS excitation with tremor, paresthesias, ataxia, confusion, convulsions, and ventricular fibrillation. CNS depression and central respiratory paralysis may occur.	
3.3 Treatment of Exposure: Call a physician. INHALATION: If needed, administer artificial respiration. EYES: Flush thoroughly with water. SKIN: Wash thoroughly with soap and water. INGESTION: Induce emesis or perform gastric lavage. Give demulcents such as milk of magnesia or aluminum hydroxide gel and follow with a saline cathartic. Avoid fats and oils (may promote absorption) and epinephrine and related drugs (may cause ventricular fibrillation).	
3.4 TLV-TWA: Not listed.	
3.5 TLV-STEL: Not listed.	
3.6 TLV-Ceiling: Not listed.	
3.7 Toxicity by Ingestion: Grade 3; LD <sub>50</sub> = 50 to 500 mg/kg.	
3.8 Toxicity by Inhalation: Currently not available.	
3.9 Chronic Toxicity: Chronic industrial exposure has caused apparently irreversible nerve damage. Has produced liver cancer in mice. Some teratogenic effects noted.	
3.10 Vapor (Gas) Irritant Characteristics: Not pertinent	
3.11 Liquid or Solid Characteristics: Currently not available	
3.12 Odor Threshold: Odorless	
3.13 IDLH Value: Not listed.	
3.14 OSHA PEL-TWA: Not listed.	
3.15 OSHA PEL-STEL: Not listed.	
3.16 OSHA PEL-Ceiling: Not listed.	
3.17 EPA AEGL: Not listed	

## 4. FIRE HAZARDS

- 4.1 Flash Point: Currently not available
- 4.2 Flammable Limits in Air: Currently not available
- 4.3 Fire Extinguishing Agents: Currently not available
- 4.4 Fire Extinguishing Agents Not to Be Used: Currently not available
- 4.5 Special Hazards of Combustion Products: Decomposes
- 4.6 Behavior in Fire: Supports combustion
- 4.7 Auto Ignition Temperature: Currently not available
- 4.8 Electrical Hazards: Currently not available
- 4.9 Burning Rate: Currently not available
- 4.10 Adiabatic Flame Temperature: Currently not available
- 4.11 Stoichiometric Air to Fuel Ratio: Not pertinent.
- 4.12 Flame Temperature: Currently not available
- 4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent.
- 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed

## 5. CHEMICAL REACTIVITY

- 5.1 Reactivity with Water: No reaction
- 5.2 Reactivity with Common Materials: No reaction
- 5.3 Stability During Transport: Stable
- 5.4 Neutralizing Agents for Acids and Caustics: Currently not available
- 5.5 Polymerization: Currently not available
- 5.6 Inhibitor of Polymerization: Currently not available

## 6. WATER POLLUTION

- 6.1 Aquatic Toxicity: 72-hour LD<sub>50</sub>, Shrimp = 1.01 ppm
- 6.2 Waterfowl Toxicity: Oral LD<sub>50</sub> Mallard = 2400 mg/kg Oral LD<sub>50</sub> Mallard = >5000 ppm
- 6.3 Biological Oxygen Demand (BOD): Stable compound-little degradation
- 6.4 Food Chain Concentration Potential: High potential
- 6.5 GESAMP Hazard Profile:  
Bioaccumulation: +  
Damage to living resources: -  
Human Oral hazard: 2  
Human Contact hazard: 1  
Reduction of amenities: XX

## 7. SHIPPING INFORMATION

- 7.1 Grades of Purity: Pelleted bait ``450"-0.45% mirex
- 7.2 Storage Temperature: Currently not available
- 7.3 Inert Atmosphere: Currently not available
- 7.4 Venting: Currently not available
- 7.5 IMO Pollution Category: Currently not available
- 7.6 Ship Type: Currently not available
- 7.7 Barge Hull Type: Currently not available

## 8. HAZARD CLASSIFICATIONS

- 8.1 49 CFR Category: Poison
- 8.2 49 CFR Class: 6.1
- 8.3 49 CFR Package Group: II
- 8.4 Marine Pollutant: Yes
- 8.5 NFPA Hazard Classification: Not listed
- 8.6 EPA Reportable Quantity: Not listed.
- 8.7 EPA Pollution Category: Not listed.
- 8.8 RCRA Waste Number: Not listed
- 8.9 EPA FWPCA List: Not listed

## 9. PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Physical State at 15° C and 1 atm: Solid
- 9.2 Molecular Weight: 545.59
- 9.3 Boiling Point at 1 atm: Sublimes with decomposition 905°F = 485°C = 758.2°K
- 9.4 Freezing Point: Not pertinent
- 9.5 Critical Temperature: Currently not available
- 9.6 Critical Pressure: Currently not available
- 9.7 Specific Gravity: Currently not available
- 9.8 Liquid Surface Tension: Not pertinent
- 9.9 Liquid Water Interfacial Tension: Not pertinent
- 9.10 Vapor (Gas) Specific Gravity: 18.8 (calculated)
- 9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available
- 9.12 Latent Heat of Vaporization: Currently not available
- 9.13 Heat of Combustion: Currently not available
- 9.14 Heat of Decomposition: Currently not available
- 9.15 Heat of Solution: Currently not available
- 9.16 Heat of Polymerization: Currently not available
- 9.17 Heat of Fusion: Currently not available
- 9.18 Limiting Value: Currently not available
- 9.19 Reid Vapor Pressure: Currently not available

## NOTES

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T  P E R T I N E N T		N O T  P E R T I N E N T		N O T  P E R T I N E N T		N O T  P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	I N S O L U B L E		N O T  P E R T I N E N T		N O T  P E R T I N E N T		C U R R E N T L Y  N O T  A V A I L A B L E