

# KEPONE

KPE

## CAUTIONARY RESPONSE INFORMATION

<b>Common Synonyms</b> Chlordecone Decachloroketone ENT-16391 GC-1189 Merex	Crystalline solid	Colorless	Odorless
<p><b>Keep people away. Avoid contact with solid or dust.</b>  <b>Wear goggles, self-contained breathing apparatus, rubber overclothing (including gloves).</b>  <b>Notify local health and pollution control agencies.</b></p>			
<b>Fire</b>	Fire data not available.		
<b>Exposure</b>	<p>CALL FOR MEDICAL AID.</p> <p>SOLID OR DUST          POISONOUS IF SWALLOWED, INHALED, OR IF SKIN IS EXPOSED.          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.          IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.</p>		
<b>Water Pollution</b>	<p>HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS.          Dangerous if it enters water intakes.          Notify local health and wildlife officials.          Notify operators of nearby water intakes.</p>		

<p><b>1. CORRECTIVE RESPONSE ACTIONS</b>          Stop discharge          Contain          Collection Systems: Pump; Dredge</p>	<p><b>2. CHEMICAL DESIGNATIONS</b>  <b>2.1 CG Compatibility Group:</b> Not listed.  <b>2.2 Formula:</b> C<sub>10</sub>Cl<sub>10</sub>O  <b>2.3 IMO/UN Designation:</b> 6.1/1615 (&gt;10%); 9/1615 (&lt;10%)  <b>2.4 DOT ID No.:</b> 2761  <b>2.5 CAS Registry No.:</b> 143-50-0  <b>2.6 NAERG Guide No.:</b> 151  <b>2.7 Standard Industrial Trade Classification:</b> 59110</p>
<p><b>3. HEALTH HAZARDS</b></p> <p><b>3.1 Personal Protective Equipment:</b> Rubber gloves, self-contained breathing apparatus, and protective clothing.</p> <p><b>3.2 Symptoms Following Exposure:</b> INHALATION AND INGESTION: These symptoms present in all affected patients - Neurologic Impairment - anxiety, irritability, memory disturbance, headache, tremors, opsiclonus, stuttering, slurred speech, and abnormal tandem gait.</p> <p><b>3.3 Treatment of Exposure:</b> Call a physician. INHALATION: Remove from exposure. EYES: Flush with copious amounts of water. SKIN: Wash thoroughly with soap and water. INGESTION: Induce emesis or perform gastric lavage. Give saline cathartic. Barbiturates to control tremors or convulsions.</p> <p><b>3.4 TLV-TWA:</b> Not listed.  <b>3.5 TLV-STEL:</b> Not listed.  <b>3.6 TLV-Ceiling:</b> Not listed.  <b>3.7 Toxicity by Ingestion:</b> Grade 3; LD<sub>50</sub> = 50 to 500 mg/kg.  <b>3.8 Toxicity by Inhalation:</b> Currently not available.  <b>3.9 Chronic Toxicity:</b> 80-week rat and mouse study. 2-dose levels - generalized tumors and dermatologic changes. Significant increase in hepatocellular carcinomas. Hyperplasia of liver. Neurologic symptoms, sterility; brain and liver damage, fetal toxicity; teratogenic effects, anemia.</p> <p><b>3.10 Vapor (Gas) Irritant Characteristics:</b> Currently not available  <b>3.11 Liquid or Solid Characteristics:</b> Currently not available  <b>3.12 Odor Threshold:</b> Odorless  <b>3.13 IDLH Value:</b> Not listed.  <b>3.14 OSHA PEL-TWA:</b> Not listed.  <b>3.15 OSHA PEL-STEL:</b> Not listed.  <b>3.16 OSHA PEL-Ceiling:</b> Not listed.  <b>3.17 EPA AEGL:</b> Not listed</p>	

<p><b>4. FIRE HAZARDS</b></p> <p><b>4.1 Flash Point:</b> Currently not available  <b>4.2 Flammable Limits in Air:</b> Currently not available  <b>4.3 Fire Extinguishing Agents:</b> Currently not available  <b>4.4 Fire Extinguishing Agents Not to Be Used:</b> Currently not available  <b>4.5 Special Hazards of Combustion Products:</b> Currently not available  <b>4.6 Behavior in Fire:</b> Currently not available  <b>4.7 Auto Ignition Temperature:</b> Currently not available  <b>4.8 Electrical Hazards:</b> Currently not available  <b>4.9 Burning Rate:</b> Currently not available  <b>4.10 Adiabatic Flame Temperature:</b> Currently not available  <b>4.11 Stoichiometric Air to Fuel Ratio:</b> Not pertinent.  <b>4.12 Flame Temperature:</b> Currently not available  <b>4.13 Combustion Molar Ratio (Reactant to Product):</b> Not pertinent.  <b>4.14 Minimum Oxygen Concentration for Combustion (MOCC):</b> Not listed</p>	<p><b>7. SHIPPING INFORMATION</b></p> <p><b>7.1 Grades of Purity:</b> 50% Wettable powder; 2% to 4% Baits  <b>7.2 Storage Temperature:</b> Currently not available  <b>7.3 Inert Atmosphere:</b> Currently not available  <b>7.4 Venting:</b> Currently not available  <b>7.5 IMO Pollution Category:</b> Currently not available  <b>7.6 Ship Type:</b> Currently not available  <b>7.7 Barge Hull Type:</b> Currently not available</p>
<p><b>5. CHEMICAL REACTIVITY</b></p> <p><b>5.1 Reactivity with Water:</b> Currently not available  <b>5.2 Reactivity with Common Materials:</b> Currently not available  <b>5.3 Stability During Transport:</b> Currently not available  <b>5.4 Neutralizing Agents for Acids and Caustics:</b> Currently not available  <b>5.5 Polymerization:</b> Currently not available  <b>5.6 Inhibitor of Polymerization:</b> Currently not available</p>	<p><b>8. HAZARD CLASSIFICATIONS</b></p> <p><b>8.1 49 CFR Category:</b> Poison  <b>8.2 49 CFR Class:</b> 6.1  <b>8.3 49 CFR Package Group:</b> II  <b>8.4 Marine Pollutant:</b> No  <b>8.5 NFPA Hazard Classification:</b> Not listed  <b>8.6 EPA Reportable Quantity:</b> 1 pound  <b>8.7 EPA Pollution Category:</b> X  <b>8.8 RCRA Waste Number:</b> U142  <b>8.9 EPA FWPCA List:</b> Not listed</p>
<p><b>6. WATER POLLUTION</b></p> <p><b>6.1 Aquatic Toxicity:</b>          0.066 ppm/24-hour/Rainbow trout/LC<sub>50</sub>          0.020 ppm/96-hour/Rainbow trout/LC<sub>50</sub>          0.5 ppm/24-hour/Juvenile white mullet/LC<sub>50</sub>          0.055 ppm/48-hour/Juvenile white mullet/LC<sub>50</sub>          0.3 ppm/24-hour/Longnose killfish/LC<sub>50</sub>          0.084 ppm/48-hour/Longnose killfish/LC<sub>50</sub>          0.0375 ppm/48-hour/Rainbow trout/LC<sub>50</sub></p> <p><b>6.2 Waterfowl Toxicity:</b> Currently not available  <b>6.3 Biological Oxygen Demand (BOD):</b> Currently not available  <b>6.4 Food Chain Concentration Potential:</b> Highly bioaccumulative (425 to 20,000 times)  <b>6.5 GESAMP Hazard Profile:</b> Not listed</p>	<p><b>9. PHYSICAL &amp; CHEMICAL PROPERTIES</b></p> <p><b>9.1 Physical State at 15° C and 1 atm:</b> Solid  <b>9.2 Molecular Weight:</b> 490.68  <b>9.3 Boiling Point at 1 atm:</b> Sublimes with decomposition at 350°C  <b>9.4 Freezing Point:</b> 662°F = 349°C = 623.2°K  <b>9.5 Critical Temperature:</b> Currently not available  <b>9.6 Critical Pressure:</b> Currently not available  <b>9.7 Specific Gravity:</b> Currently not available  <b>9.8 Liquid Surface Tension:</b> Currently not available  <b>9.9 Liquid Water Interfacial Tension:</b> Currently not available  <b>9.10 Vapor (Gas) Specific Gravity:</b> Currently not available  <b>9.11 Ratio of Specific Heats of Vapor (Gas):</b> Currently not available  <b>9.12 Latent Heat of Vaporization:</b> Currently not available  <b>9.13 Heat of Combustion:</b> Currently not available  <b>9.14 Heat of Decomposition:</b> Currently not available  <b>9.15 Heat of Solution:</b> Currently not available  <b>9.16 Heat of Polymerization:</b> Currently not available  <b>9.17 Heat of Fusion:</b> Currently not available  <b>9.18 Limiting Value:</b> Currently not available  <b>9.19 Reid Vapor Pressure:</b> Currently not available</p>
<p><b>NOTES</b></p>	

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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
	C U R R E N T L Y  N O T  A V A I L A B L E		C U R R E N T L Y  N O T  A V A I L A B L E		C U R R E N T L Y  N O T  A V A I L A B L E		C U R R E N T L Y  N O T  A V A I L A B L E

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
212	0.470		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