

SODIUM PENTACHLOROPHENATE

SPC

CAUTIONARY RESPONSE INFORMATION

Common Synonyms Phenol, pentachloro-, sodium salt		Solid, beads or powder	Buff colored	Phenolic odor
<p>Wear full covering clothing, chemical protective gloves and goggles. Restrict access. Avoid contact with solid and dust. Notify local health and pollution control agencies. Protect water intakes.</p>				
Fire	Not flammable. Wear full protective clothing with self-contained breathing apparatus. Extinguish fire with dry chemical, alcohol foam, carbon dioxide.			
Exposure	CALL FOR MEDICAL AID. DUST Move victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. SOLID Irritating to skin and eyes. May be fatal if absorbed through skin. Remove contaminated clothing and shoes. Wash affected areas with soap and water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, drink 1 or 2 glasses of water and induce vomiting.			
Water Pollution	Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.			

1. CORRECTIVE RESPONSE ACTIONS Stop discharge Dilute and disperse	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: C ₆ Cl ₅ ONa 2.3 IMO/UN Designation: Currently not available 2.4 DOT ID No.: 2567 2.5 CAS Registry No.: 131-52-2 2.6 NAERG Guide No.: 154 2.7 Standard Industrial Trade Classification: 51244
--	--

3. HEALTH HAZARDS

- 3.1 **Personal Protective Equipment:** Full covering clothing, chemical protective gloves and goggles. Where dust is present, use approved dust respirator.
- 3.2 **Symptoms Following Exposure:** Exposure can cause irritation of eyes, nose and throat. May cause weakness, excessive sweating, headache, dizziness, nausea, vomiting, and difficulty in breathing.
- 3.3 **Treatment of Exposure:** Get medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. **EYES:** Flush with water for at least 15 min., lifting lids occasionally. **SKIN:** Remove contaminated clothing and shoes. Wash with soap and water. **INGESTION:** Drink 1 or 2 glasses of water and induce vomiting.
- 3.4 **TLV-TWA:** Not listed.
 3.5 **TLV-STEL:** Not listed.
 3.6 **TLV-Ceiling:** Not listed.
 3.7 **Toxicity by Ingestion:** Currently not available.
 3.8 **Toxicity by Inhalation:** Currently not available.
 3.9 **Chronic Toxicity:** Currently not available.
 3.10 **Vapor (Gas) Irritant Characteristics:** Not pertinent.
 3.11 **Liquid or Solid Characteristics:** Fairly severe skin irritant. May cause pain and second-degree burns after a few minutes' contact.
 3.12 **Odor Threshold:** Currently not available.
 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:** Not flammable.
 4.2 **Flammable Limits in Air:** Not pertinent.
 4.3 **Fire Extinguishing Agents:** Use dry chemical, alcohol foam, or carbon dioxide on adjacent fires.
 4.4 **Fire Extinguishing Agents Not to Be Used:** Not pertinent.
 4.5 **Special Hazards of Combustion**
Products: Irritating vapors and toxic gases, such as hydrogen chloride, polychlorodibenzodioxins and carbon monoxide, may be formed when involved in fire.
 4.6 **Behavior in Fire:** Not pertinent.
 4.7 **Auto Ignition Temperature:** Not pertinent.
 4.8 **Electrical Hazards:** Not pertinent.
 4.9 **Burning Rate:** Not pertinent.
 4.10 **Adiabatic Flame Temperature:** Not pertinent.
 4.11 **Stoichiometric Air to Fuel Ratio:** Not pertinent.
 4.12 **Flame Temperature:** Not pertinent.
 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:** Incompatible with strong oxidizing agents.
 5.3 **Stability During Transport:** Stable.
 5.4 **Neutralizing Agents for Acids and Caustics:** Not pertinent.
 5.5 **Polymerization:** Will not polymerize.
 5.6 **Inhibitor of Polymerization:** Not pertinent.

6. WATER POLLUTION

- 6.1 **Aquatic Toxicity:** Currently not available
 6.2 **Waterfowl Toxicity:** Currently not available
 6.3 **Biological Oxygen Demand (BOD):** Currently not available
 6.4 **Food Chain Concentration Potential:** Currently not available
 6.5 **GESAMP Hazard Profile:** Not listed

7. SHIPPING INFORMATION

- 7.1 **Grades of Purity:** Technical grades, 85-95%.
 7.2 **Storage Temperature:** Ambient.
 7.3 **Inert Atmosphere:** No requirement.
 7.4 **Venting:** Not listed.
 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:** 288.35
 9.3 **Boiling Point at 1 atm:** Decomposes.
 9.4 **Freezing Point:** Currently not available
 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:** Currently not available
 9.9 **Liquid Water Interfacial Tension:** Currently not available
 9.10 **Vapor (Gas) Specific Gravity:** Currently not available
 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:** Not pertinent.
 9.17 **Heat of Fusion:** Currently not available
 9.18 **Limiting Value:** Currently not available
 9.19 **Reid Vapor Pressure:** Currently not available

NOTES

SODIUM PENTACHLOROPHENATE

SPC

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
	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		N O T P E R T I N E N T