# SODIUM PENTACHLOROPHENATE

## 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: Emitting vapors and toxic gases, such as hydrogen chloride, polyhydrochlorobenzenes 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 (MOOC):** 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 Waterfall 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 Invert 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 DOT:** Not listed.
- **8.2 DOT Class:** 6.1
- **8.3 DOT Package Group:** II
- **8.4 Marine Pollutant:** Yes
- **8.5 NPPA 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:** Not pertinent
- **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

- **9.16  Heat of Polymerization:** Not pertinent.
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<th>Temperature (degrees F)</th>
<th>Pounds per cubic foot</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit per pound-F</th>
<th>Temperature (degrees F)</th>
<th>British thermal unit inch per hour-square foot-F</th>
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<td>SATURATED LIQUID DENSITY</td>
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<td>LIQUID HEAT CAPACITY</td>
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<td>LIQUID THERMAL CONDUCTIVITY</td>
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<th>Pounds per square inch</th>
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<th>Pounds per cubic foot</th>
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