

TRICHLOROPHENOL

TPH

CAUTIONARY RESPONSE INFORMATION

Common Synonyms Dowicide 2 Ormal Phenachlor 2,4,5-Trichlorophenol	Solid crystals or flakes Sinks in water.	Yellow	Strong disinfectant odor
<p style="color: red;">Avoid contact with solid. Notify local health and pollution control agencies. Protect water intakes.</p>			
Fire	Not flammable.		
Exposure	CALL FOR MEDICAL AID. DUST OR SOLID Irritating to eyes, nose, and throat. Move to fresh air. IF IN EYES, hold eyelids open and flush with plenty of water.		
Water Pollution	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.		

1. CORRECTIVE RESPONSE ACTIONS

Stop discharge
Contain
Collection Systems: Dredge

2. CHEMICAL DESIGNATIONS

2.1 **CG Compatibility Group:** Not listed.
 2.2 **Formula:** ClC1=CC=C(Cl)C=C1Cl
 2.3 **IMO/UN Designation:** Not listed
 2.4 **DOT ID No.:** 2020
 2.5 **CAS Registry No.:** 95-95-4
 2.6 **NAERG Guide No.:** 153
 2.7 **Standard Industrial Trade Classification:** 51244

3. HEALTH HAZARDS

- 3.1 **Personal Protective Equipment:** Approved dust respirator for toxic dusts; goggles; protective clothing to prevent contact with skin.
- 3.2 **Symptoms Following Exposure:** Dust may cause swelling of eyes and eye injury, irritation of nose and throat. Solid irritates skin on prolonged contact.
- 3.3 **Treatment of Exposure:** INHALATION: remove to fresh air; get medical attention. EYES: flush with water for at least 15 min; get medical attention. SKIN: wash with soap and water; if irritation occurs, get medical attention.
- 3.4 **TLV-TWA:** Not listed.
 3.5 **TLV-STEL:** Not listed.
 3.6 **TLV-Ceiling:** Not listed.
- 3.7 **Toxicity by Ingestion:** 20% solution in fuel oil: Grade 2; LD₅₀ = 0.5 to 5 g/kg (rat)
- 3.8 **Toxicity by Inhalation:** Currently not available.
- 3.9 **Chronic Toxicity:** Currently not available.
- 3.10 **Vapor (Gas) Irritant Characteristics:** Essentially non-volatile at ordinary temperatures.
- 3.11 **Liquid or Solid Characteristics:** May cause injury to eye. Prolonged contact with skin causes a slight burn. Dust irritates nose and throat.
- 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 flammable
 4.3 **Fire Extinguishing Agents:** Not pertinent
 4.4 **Fire Extinguishing Agents Not to Be Used:** Not pertinent
 4.5 **Special Hazards of Combustion Products:** Not pertinent
 4.6 **Behavior in Fire:** Not pertinent
 4.7 **Auto Ignition Temperature:** Not flammable
 4.8 **Electrical Hazards:** Not pertinent
 4.9 **Burning Rate:** Not flammable
 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:** None
 5.3 **Stability During Transport:** Stable
 5.4 **Neutralizing Agents for Acids and Caustics:** Not pertinent
 5.5 **Polymerization:** Not pertinent
 5.6 **Inhibitor of Polymerization:** Not pertinent

6. WATER POLLUTION

- 6.1 **Aquatic Toxicity:** 3.2 ppm/24 hr/fish/TL_m/fresh water
 6.2 **Waterfowl Toxicity:** Currently not available
 6.3 **Biological Oxygen Demand (BOD):** Currently not available
 6.4 **Food Chain Concentration Potential:** None
 6.5 **GESAMP Hazard Profile:** Not listed

7. SHIPPING INFORMATION

- 7.1 **Grades of Purity:** Technical: 95%
 7.2 **Storage Temperature:** Ambient
 7.3 **Inert Atmosphere:** No requirement
 7.4 **Venting:** Open
 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:** Keep Away From Food
 8.2 **49 CFR Class:** 6.1
 8.3 **49 CFR Package Group:** III
 8.4 **Marine Pollutant:** No
 8.5 **NFPA Hazard Classification:** Not listed
 8.6 **EPA Reportable Quantity:** 10 pounds
 8.7 **EPA Pollution Category:** A
 8.8 **RCRA Waste Number:** U230
 8.9 **EPA FWPCA List:** Yes

9. PHYSICAL & CHEMICAL PROPERTIES

- 9.1 **Physical State at 15° C and 1 atm:** Solid
 9.2 **Molecular Weight:** 197.5
 9.3 **Boiling Point at 1 atm:** 485°F = 252°C = 525°K
 9.4 **Freezing Point:** 135°F = 57°C = 330°K
 9.5 **Critical Temperature:** Not pertinent
 9.6 **Critical Pressure:** Not pertinent
 9.7 **Specific Gravity:** 1.7 at 25°C (solid)
 9.8 **Liquid Surface Tension:** Not pertinent
 9.9 **Liquid Water Interfacial Tension:** Not pertinent
 9.10 **Vapor (Gas) Specific Gravity:** Not pertinent
 9.11 **Ratio of Specific Heats of Vapor (Gas):** Not pertinent
 9.12 **Latent Heat of Vaporization:** Not pertinent
 9.13 **Heat of Combustion:** Not pertinent
 9.14 **Heat of Decomposition:** Not pertinent
 9.15 **Heat of Solution:** Not pertinent
 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

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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
77	0.100		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