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| Health | 3 |
| Fire | 3 |
| Reactivity | 0 |
| Personal Protection | E |

Material Safety Data Sheet

p-Chloro-m-cresol MSDS

Section 1: Chemical Product and Company Identification

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| <p>Product Name: p-Chloro-m-cresol</p> <p>Catalog Codes: 10468</p> <p>CAS#: 59-50-7</p> <p>RTECS: GO7100000</p> <p>TSCA: Not available.</p> <p>Synonym: 6-Chloro-3-hydroxytoluene; 3-Methyl-4-chlorophenol</p> <p>Chemical Formula: ClC₆H₃(CH₃)OH</p> | <p>Contact Information:</p> <p>Finar Limited 184-186/P, Chacharwadi Vasna, Sarkhej-Bavla Highway, Ta.: Sanand, Dist.: Ahmedabad, Email: info@finarchemicals.com Web: www.finarchemicals.com</p> |
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Section 2: Composition and Information on Ingredients

| Composition: | CAS # | % by Weight |
|-------------------|---------|-------------|
| Name | | |
| 4-Chloro-m-cresol | 59-50-7 | 99.0 |

Section 3: Hazards Identification

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| <p>Potential Acute Health Effects: Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in serious illness or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.</p> <p>Potential Chronic Health Effects: CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.</p> |
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Section 4: First Aid Measures

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| <p>Eye Contact: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes. Keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper eyelids. Seek medical attention. Treat symptomatically and supportively.</p> <p>Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thorough wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.</p> <p>Inhalation: If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration</p> |
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problems do not improve.

Ingestion: INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. SEEK IMMEDIATE MEDICAL ATTENTION in case of ingestion of a radioactive material.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: 118°C

Flammable Limits: Not available.

Products of Combustion: These products include toxic carbon oxides (CO,CO 2) , halogenated compounds.

WARNING: Highly toxic HCl gas is produced during combustion.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Consult with local fire authorities before attempting large scale fire-fighting operations.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available

Section 6: Accidental Release Measures

Small Spill: Toxic solid. Irritating material. Light sensitive material.

Large Spill: Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Consult federal, state, and/or local authorities for assistance on disposal.

Section 7: Handling and Storage

Precautions: TOXIC. IRRITANT. LIGHT SENSITIVE. Keep locked up.. Keep away from heat. Mechanical exhaust required. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. DO NOT ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Treat symptomatically and supportively.

Always store away from incompatible compounds such as oxidizing agents, alkalis (bases).

Storage: Always store away from incompatible compounds such as oxidizing agents, alkalis (bases).

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Boots. Gloves. A MSHA/NIOSH approved respirator must be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Personal Protection in Case of a Large Spill: Not available.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid White crystals..

Odor: Said to be odorless when very pure, but usually a phenolic odor persists..

Taste: Not available.

Molecular Weight: 142.58 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 235°C (455°F).

Melting Point: 65 to 68°C (149 to 154.4°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Soluble in fats & oils solvents. More soluble in hot than in cold water. Freely soluble in alcohol, benzene, chloroform, ether, fixed oils, terpenes, acetone, aq. alkaline solvents, petroleum ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Avoid excessive heat and light.

Incompatibility with various substances: Reactive with oxidizing agents, alkalis (bases), acid chlorides, and acid anhydrides, corrodes steel, brass, copper, copper alloys.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Ingestion. Inhalation. Skin contact..

Toxicity to Animals:

Rat LDLO (oral) 1830mg/kg

Rat LD50 (subcutaneous) 400mg/kg

Mouse LD50 (intravenous) 70mg/kg

Chronic Effects on Humans:

CARCINOGENIC EFFECTS : Not available.

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Acute Effects on Humans:

Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in serious illness or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system.

Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Section 12: Ecological Information

Ecotoxicity: Fish: Fathead Minnow: LC50: 13.3mg/L; 24 Hr; Fish: Fathead Minnow: LC50: 11.4mg/L; 48 Hr; Fish: Fathead Minnow: LC50: 9.21 mg/L; 72 Hr; Daphnia: Daphnia: EC50: 5.6 mg/L; 24 Hr; No data Available.

Environmental: Very toxic to aquatic organisms.

Physical: No information available.

Other: Do not empty into drains.

Section 13: Disposal Considerations

Waste Disposal: Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of the substance.

Section 14: Transport Information

DOT Classification: Class 6.1: Toxic material.

PIN Number: UN2669

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

TSCA Chemical Inventory (EPA): It is ON the EPA Toxic Substances Control Act (TSCA) inventory list.

WHMIS Classification (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

EINECS Number (EEC): 200-431-6

EEC Risk Statements: R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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