

# Material Safety Data Sheet

Surety Laboratories Inc. 6 Pearl Court Allendale, NJ T: 201.661.7161. F: 201.785.3915 www.suretylabs.com	FOR MSDS INFORMATION: (201) 661-7161 24-HOUR EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300	Surcide PCMX
		Effective Date: 09/03/08 Replaces: 08/16/02

## 1. Product and Company Identification

**Product Name:** SURCIDE PCMX

**Use:** Antimicrobial, Preservative, Antiseptic

**Synonyms:** pcmx, chloroxylenol  
Para Chloro Meta Xylenol, PCMX  
4 chloro 3, 5 dimethyl phenol  
4 chloro 3, 5 xylenol  
4 chloro meta xylenol

**Chemical Family:** Phenols

## 2. Composition/Information on Ingredients

<u>Information on Hazard Ingredients</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
4-chloro-3, 5-xylenol (CAS#88-04-0)	>98	Not Listed

Ingredients not listed are proprietary or non-hazardous. Values are not product specifications.

## 3. Hazards Identification

### Emergency Overview

**Appearance:** White to off-white crystalline solid with faint phenolic odor

**Physical Hazards:** None

**Health Hazards:** Eye irritant, skin irritant if allowed to come in contact with sensitive areas. May cause burning of mouth, throat and stomach if ingested.

\*Hazard Summary as defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

### Potential Health Effects:

**General:** This health hazard assessment is based on information from commercial and scientific literature.

**Ingestion:** Low systemic toxicity, but can be harmful if ingested in quantity. May cause burning of mouth, throat and stomach, if ingested.

**Eye Contact:** Mildly Irritating.

**Skin Contact:** Will cause irritation if allowed to come in contact with sensitive areas of the skin.

**Skin Absorption:** No adverse effects are expected from absorption of this product through the skin.

**Inhalation:** Can irritate nose, throat and respiratory tract.

**Other effects of over exposure:** None known

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## 4. First Aid Measures:

**Skin Contact:** Immediately wash material off skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

**Ingestion:** Do not induce vomiting. Give 1 or 2 glasses of water to drink and refer person to medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

## 5. Fire Fighting

**Flashpoint and Method:** Above 116°C

**Auto ignition Temperature:** No Data

**Flammable Limits:** No Data

**General:** Low hazard. If involved in a fire, it may emit noxious and toxic fumes.

**Fire Fighting Instructions:** Use water spray to cool fire exposed containers. Use water spray or stream, carbon dioxide, dry chemical, alcohol foam, foam, earth or sand to extinguish fire.

**Fire Fighting Equipment:** Self-contained breathing apparatus with full face piece and protective clothing.

**Hazardous Combustion Products:** hydrogen chloride and oxides of carbon.

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## 6. Accidental Release Measures

**Spill Measures:** Wear skin and eye protection during cleanup. Sweep up material and shovel into a chemical waste container.

## 7. Handling and Storage

**Handling precautions:** Prevent skin and eye contact. Avoid breathing vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing and wash before reuse.

**Storage temperature:** Store containers in a cool, dry area and keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

**Exposure Guidelines:** No ACGIH TLV or OSHA PEL is assigned to this product. Minimize exposure in accordance with good hygiene practice.

**Engineering Controls:** Use ventilation adequate to maintain safe levels. Provide eyewash station and safety in work area.

**Respiratory Protection:** If needed, use MSHA./NIOSH approved respirator for (dusts, mists and fumes whose TLV is greater than 0.5 mg/m<sup>3</sup>

**Protective Clothing:** Wear gloves made of polyvinyl chloride, neoprene, butyl rubber, natural rubber, polyvinyl alcohol or polyethylene.

**Eye Protection:** Chemical tight goggles.

## 9. Chemical and Physical Properties

Appearance:	White to off-white crystalline solid with faint phenolic odor
Melting Point:	114 – 166 °C
Boiling Point:	Not applicable
Vapor pressure (mm Hg at 20°C):	No data
Vapor density (air=U):	No data
Solubility in water:	0.03% w/v
pH:	Neutral
Specific gravity:	No data
% Volatile by volume:	No data

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## 10. Stability and Reactivity

**Stability:** Stable under normal conditions

**Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur

## 11. Toxicological Information

**Ingestion:** Acute Oral LD<sub>50</sub> (rat) ->5,000 mg/kg

**Skin:** Acute Dermal LD<sub>50</sub> (rat) ->2,000 mg/kg

**Inhalation:** LC<sub>50</sub> (rat) – 6.76 mg/l (4-hour)

## 12. Ecological Information

**Environmental Fate:** Not readily biodegradable. n-octanol/water partition coefficient-  
Log<sub>10</sub> Po/w = 2.8

Aquatic toxicity: Acute LC<sub>50</sub> (Rainbow trout) (96 hours) – 1.4 mg/l  
Acute EC<sub>50</sub> (Daphnia magna) (24 hours) – 2 mg/l

Toxic to aquatic organisms. Do not allow to enter drains or watercourses.

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## 13. Disposal Considerations:

**Disposal Method:** Discarded product is not a hazardous waste under RCRA, 29 CFR 261.

**Container Disposal:** Empty container product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

## 14. Transportation Information

**DOT Hazard Description:** Not regulated.

## 15. Regulatory Information

**TSCA:** (Toxic Substances Control Act) Regulations, 40 CFR 710: All ingredients are on the TSCA Chemical Substances Inventory.

**CERCLA and SARA Regulations (40 CFR 355, 370 and 372):** Section 313 Notification – this product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

## 16. Other Information

*These data are based on tests and information which we believe to be reliable. Whether or not these data are used is within the sole discretion and judgment of the customer. Having no control over conditions of use, we make no warranty or representation concerning your possible liability incident to the use of the products being delivered, and further disclaim any responsibility for damage, injury, claim or the like resulting therefrom.*