

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Chemical Name** Chloroxlyenol (PCMX)

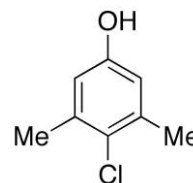
**Catalogue #** C427950

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Uses** To be used only for scientific research and development. Not for use in humans or animals.

### 1.3 Details of the Supplier of the Safety Data Sheet

**Company** Swadesh Life Science  
H-103, Sumel 7, Near Soni ni chali  
BRTS, Rakhiyal,  
Ahmedabad, Gujarat, India



## 2. HAZARDS IDENTIFICATION

### 2.1/2.2 Classification of the Substance or Mixture and Label Elements GHS Hazards Classification (According to EU Regulation 1272/2008 and US OSHA 1910.1200)

Acute Toxicity, Oral (Category 4)  
Skin Irritation (Category 2)  
Serious Eye Irritation (Category 2A)  
Sensitisation, Skin (Category 1)

GHS Hazards Identification (According to EU Regulation 1272/2008 and US OSHA 1910.1200) Signal Word  
Warning



### GHS Hazard Statements

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

## MATERIAL SAFETY DATA SHEET

### GHS Precautionary Statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301/P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302/P352	IF ON SKIN: Wash with plenty of soap and water

### 2.3 Unclassified Hazards/Hazards Not Otherwise Classified

No data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

**Molecular Formula:** C<sub>8</sub>H<sub>9</sub>ClO

**Molecular Weight:** 156.61

**CAS Registry #:** 88-04-0

**EC#:** 201-793-8

**Synonyms:-**

4-Chloro-3,5-dimethylphenol; 4-Chloro-3,5-xyleneol; 2,6-Dimethyl-4-hydroxy-1-chlorobenzene; 2-Chloro-5-hydroxy-1,3dimethylbenzene; 2-Chloro-5-hydroxy-m-xylene; 4-Chloro-5,3-dimethylphenol; 4-Chloro-m-xyleneol; Benzytol; Camel; Chloroxylenol; Desson; Dettol; Ecotru; Espadol; Finecide C 2000; Hokubarine E 400; Husept Extra; NSC 4971;  
Nipacide PX; Ottasept; Ottasept Extra; PCMX; Parametaxylenol; RBA 777; p-Chloro-3,5-xyleneol; p-Chloro-m-Xyleneol;

### 3.2 Mixtures

Not a mixture.

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

#### **General Advice**

If medical attention is required, show this safety data sheet to the doctor.

#### **If Inhaled**

If inhaled, move person to fresh air. If not breathing, give artificial respiration and consult a physician.

#### **In Case of Skin Contact**

Wash affected area with soap and water. Consult a physician if any exposure symptoms are observed.

#### **In Case of Eye Contact**

Immediately rinse eyes with plenty of water for at least 15 minutes. Consult a physician.

#### **If Swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting unless advised to do so by a physician or Poison Control Center. Seek medical attention.

### **4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

No data available.

## **5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special Hazards Arising from the Substance or Mixture**

Carbon oxides, Hydrogen chloride

### **5.3 Advice for Firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **5.4 Further Information**

No data available.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **Method and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**7.1 Avoid contact with skin and eyes.** Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

### **7.2 Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

Storage conditions: Refrigerator

### **7.3 Specific End Uses**

For scientific research and development only. Not for use in humans or animals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters

Contains no components with established occupational exposure limits.

### 8.2 Exposure Controls

#### **Appropriate Engineering Controls**

A laboratory fumehood or other appropriate form of local exhaust ventilation should be used to avoid exposure.

#### **Personal Protective Equipment**

All recommendations below are advisory in nature and a risk assessment should be performed by the employer/end user prior to use of this product. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

#### **Eye/Face Protection**

Safety goggles or face shield. All equipment should have been tested and approved under appropriate standards, such as NIOSH (US), CSA (Canada), or EN 166 (EU).

#### **Skin Protection**

Gloves should be used when handling this material. Gloves are to be inspected prior to use. Contaminated gloves are to be removed using proper glove removal technique so that the outer surface of the glove does not contact bare skin. Dispose of contaminated gloves after use in compliance with good laboratory practices and local requirements.

Gloves used for incidental exposures (splash protection) should be designated as "chemical resistant" by EU standard EN 374 with the resistance codes corresponding to the anticipated use of the material. Unrated gloves are not recommended.

Suggested gloves: AnsellPro Sol-Vex nitrile gloves style 37-175, 15 mil thickness.  
Penetration time has not been determined.

Gloves used for prolonged direct exposure (immersion) should be designated "chemical resistant" as per EN 734 with the resistance codes corresponding to the anticipated use of the material.

Suggested gloves: AnsellPro Viton/Butyl gloves style 38-612, 4/8 mil thickness.  
Penetration time has not been determined.

These recommendations may not apply if the material is mixed with any other chemical, or dissolved into a solution. A risk assessment must be performed to ensure the gloves will still offer acceptable protection.

#### **Body Protection**

Fire resistant (Nomex) lab coat or coveralls.

#### **Respiratory Protection**

Recommended respirators are NIOSH-approved N100 or CEN-approved FFP3 particulate respirators. These are to be only used as a backup to local exhaust ventilation or other engineering controls. If the respirator is the only means of protection, a full-face supplied air respirator must be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

**A) Appearance**

White to Off-White Solid

**C) Odour Threshold**

No data available

**E) Melting Point/Freezing Point**

113-115°C

**G) Flash point**

No data available

**I) Flammability (Solid/Gas)**

No data available

**K) Vapour Pressure**

No data available

**M) Relative Density**

No data available

**O) Partition Coefficient: n-octanol/water**

No data available

**Q) Decomposition Temperature**

No data available

**S) Explosive Properties**

No data available

**B) Odour**

No data available

**D) pH**

No data available

**F) Initial Boiling Point/Boiling Range**

No data available

**H) Evaporation Rate**

No data available

**J) Upper/Lower Flammability/Explosive Limits**

No data available

**L) Vapour Density**

No data available

**N) Solubility**

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

**P) Auto-Ignition Temperature**

No data available

**R) Viscosity**

No data available

**T) Oxidizing Properties**

No data available

### 9.2 Other Information

no data available

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available.

### 10.2 Chemical Stability

Stable under recommended storage conditions.

### 10.3 Possibility of Hazardous Reactions

No data available.

### 10.4 Conditions to Avoid

No data available.

### 10.5 Incompatible Materials

Strong oxidizing agents, Strong bases.

### 10.6 Hazardous Decomposition Products

**In the event of fire:** See section 5. **Other decomposition products:** No data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

**A. Acute Toxicity**

Oral LD50: Rat - 3,830 mg/kg

Inhalation LC50: No data available.

Dermal LD50: No data available.

**B. Skin Corrosion/Irritation**

Moderate skin irritant.

**C. Serious EYE Damage/Irritation**

Moderate eye irritant.

**D. Respiratory or Skin Sensitization**

May cause an allergic skin

**E. Germ Cell Mutagenicity**

No data available

**F. Carcinogenicity**

No data available

**G. Reproductive  
Toxicity/Teratogenicity**

No data available

**H. Single Target Organ Toxicity - Single Exposure**

No data available

**I. Single Target Organ Toxicity - Repeated Exposure**

No data available

**J. Aspiration Hazard**

No data available

**K. Potential Health Effects and Routes of Exposure**

**Inhalation**

May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion**

Harmful if swallowed.

**Skin**

May be harmful if absorbed through skin. Causes skin irritation.

**Eyes**

Causes eye irritation.

# SWADESH LIFE SCIENCE

## MATERIAL SAFETY DATA SHEET

### 12. ECOLOGICAL INFORMATION

**12.1 Toxicity** No data available.

**12.2 Persistence and Degradability**  
No data available.

**12.3 Bioaccumulative Potential**  
No data available.

**12.4 Mobility in Soil**  
No data available.

**12.5 Results of PBT and vPvB Assessment**  
No data available.

**12.6 Other Adverse Effects**  
No data available.

### 13. DISPOSAL CONSIDERATIONS

#### **13.1 Waste Treatment Methods**

##### **A) Product**

Product may be burned in an incinerator equipped with afterburner and scrubber. Excess and expired materials are to be offered to a licensed hazardous material disposal company. Ensure that all Federal and Local regulations regarding the disposal and destruction of this material are followed.

##### **B) Contaminated Packaging**

Dispose of as above.

##### **C) Other Considerations**

Product is not to be disposed of in sanitary sewers, storm sewers, or landfills.