

# SAFETY DATA SHEET

## PREVENTOL CMK PRESERVATIVE



Version 3.0      Revision Date: 10/11/2024      SDS Number: 203000004521      Date of last issue: 05/14/2024  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : PREVENTOL CMK PRESERVATIVE  
Product code : 000000000056705892  
EPA registration number : 39967-12

#### Manufacturer or supplier's details

Company : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
Pittsburgh, Pennsylvania 15275-1112

Responsible Department : (800) LANXESS  
(412) 809-1000  
lanxesshes@lanxess.com

Emergency telephone : CHEMTREC (800) 424-9300 or  
(703) 527-3887 (Outside U.S.A) and mention CCN12916.  
Lanxess Emergency Phone (800) 410-3063.

#### Recommended use of the chemical and restrictions on use

Recommended use : Biocide

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1C

Serious eye damage : Category 1

Skin sensitization : Sub-category 1B

Specific target organ toxicity : Category 3 (Respiratory system)  
- single exposure

#### GHS label elements


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Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	May form combustible dust concentrations in air. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation.
Precautionary Statements	:	<b>Prevention:</b> Do not breathe dust. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection. <b>Response:</b> IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. <b>Storage:</b> Store in a well-ventilated place. Keep container tightly closed. Store locked up. <b>Disposal:</b> Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**  
None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
Substance name : Chlorkresol

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
4-Chloro-3-methylphenol	59-50-7	99.8

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### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : Get medical attention immediately.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If unconscious, place in recovery position and get medical attention immediately.  
Maintain open airway.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

In case of skin contact : Get medical attention immediately.  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
Continue to rinse for 30 minutes.  
Chemical burns must be treated promptly by a physician.  
Wash contaminated clothing before reuse.

In case of eye contact : Get medical attention immediately.  
In case of contact, flush eyes with plenty of water for at least 30 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Chemical burns must be treated promptly by a physician.

If swallowed : Rinse mouth with water.  
Do not induce vomiting unless directed to do by medical personnel.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

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If unconscious, place in recovery position and get medical attention immediately.  
Never give anything by mouth to an unconscious person.  
Maintain open airway.  
Get medical attention.

### Most important symptoms and effects, both acute and delayed

- Symptoms : Acute overexposure to this product may cause dizziness, headache, drowsiness, malaise, abdominal pain.  
Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.  
Skin: Reddening, burning, and possible permanent damage.  
Skin: Causes irritation with symptoms of reddening, itching, and swelling.  
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
- Effects : Harmful if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause respiratory irritation.  
Causes severe burns.
- Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician : Treat symptomatically.

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### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.  
Fine powder forms flammable and explosive mixtures in air.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Halogenated compounds
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

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No action shall be taken involving any personal risk or without suitable training.  
Move containers from fire if this can be done without risk.  
Cool closed containers exposed to fire with water.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.  
Evacuate personnel to safe areas.  
Keep unnecessary and unprotected personnel from entering.  
Do not touch or walk through spilled material.  
Provide adequate ventilation.  
Put on appropriate personal protection equipment.  
In case of inadequate ventilation wear respiratory protection.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Move containers from spill area.  
Vacuum or sweep up material and place in a designated, labeled waste container.  
Dispose of wastes in an approved waste disposal facility.  
Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.  
Contaminated absorbent material may pose the same hazard as the spilled product.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Remove contaminated clothing and protective equipment before entering eating areas.  
Workers should wash hands and face before eating, drinking

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and smoking.  
Put on appropriate personal protection equipment.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).  
Avoid inhalation, ingestion and contact with skin and eyes.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.  
Electrical equipment should be protected to the appropriate standard.  
Take precautionary measures against static discharges.  
Empty containers retain product residue; observe all precautions for product.  
Do not re-use empty containers.  
Use non-sparking tools and equipment. Consult National Fire Protection Association (NFPA) 654 Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids for details on the safe handling and equipment design.  
Use only with adequate ventilation.  
Persons with a history of skin sensitization to this product should not be employed in any process in which this product is used.

Conditions for safe storage    :    Store in accordance with local regulations.  
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Do not store in unlabeled containers.  
Use appropriate container to avoid environmental contamination.  
Empty containers retain residue and can be dangerous.  
Do not reuse container.

Recommended storage temperature    :    < 95 °F / < 35 °C

Further information on storage stability    :    No decomposition if stored and applied as directed.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

|| Contains no substances with occupational exposure limit values.

**Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  
If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Personal protective equipment

**Respiratory protection** : In case of dust formation particle filter.  
NIOSH approved, air-purifying particulate respirator with N-95 filters.  
Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m<sup>3</sup> - respirable particles and 10 mg/m<sup>3</sup> - inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS).

#### Hand protection

**Material** : Polychloroprene - CR  
**Wearing time** : < 60 min

**Material** : Polyvinyl chloride - PVC  
**Wearing time** : < 60 min

**Remarks** : The suitability for a specific workplace should be discussed with the producers of the protective gloves. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

**Eye protection** : Tightly fitting safety goggles

**Skin and body protection** : Chemical resistant apron  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling

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chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
Appropriate techniques should be used to remove potentially contaminated clothing.  
Wash contaminated clothing before reusing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : pellets

Physical state : solid

Color : white

Odor : characteristic

Odor Threshold : No data available

pH : ca. 6 (86 °F / 30 °C)  
Concentration: 10 g/l

Melting point/ range : 147.6 °F / 64.2 °C  
Method: OECD Test Guideline 102

Boiling point/boiling range : 468 °F / 242 °C  
(1,013 hPa)  
Method: OECD Test Guideline 103

Flash point : No data available

Evaporation rate : No data available

Self-ignition : No data available

Burning number : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : 0.0775 Pa (68 °F / 20 °C)  
Method: OECD Test Guideline 104

0.144 Pa (77 °F / 25 °C)  
Method: OECD Test Guideline 104



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3.8 Pa (122 °F / 50 °C)  
Method: OECD Test Guideline 104

Relative vapor density : No data available

Relative density : No data available

Density : 1.335 g/cm<sup>3</sup> (68 °F / 20 °C)  
Method: EU Method A.3

Solubility(ies)  
Water solubility : 3.6 g/l (68 °F / 20 °C)  
pH: 6.5  
Method: Regulation (EC) No. 440/2008, Annex, A.6

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : log Pow: 2.73 (77 °F / 25 °C)  
pH: 7.2  
Method: OECD Test Guideline 107

Ignition temperature : > 788 °F / > 420 °C  
Method: Regulation (EC) No. 440/2008, Annex, A.16

Decomposition temperature : >= 203 °F / >= 95 °C

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Dust explosion class : In the case of dusty organic products the possibility of a dust explosion should always be considered.

Particle size : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is chemically stable.

Possibility of hazardous reac- : Dust may form explosive mixture in air.

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ations	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: In the case of dusty organic products the possibility of a dust explosion should always be considered.
Incompatible materials	: No specific data.
Hazardous decomposition products	: No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### **Acute toxicity**

Harmful if swallowed.

#### **Components:**

##### **4-Chloro-3-methylphenol:**

Acute oral toxicity	: LD50 (Rat, male): 1,830 mg/kg Method: OECD Test Guideline 401 GLP: No
Acute inhalation toxicity	: LC0 (Rat, male and female): > 2.871 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: Yes Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Highest producible concentration.
Acute dermal toxicity	: LD50 (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: Yes

#### **Skin corrosion/irritation**

Causes severe burns.

#### **Components:**

##### **4-Chloro-3-methylphenol:**

Result	: Corrosive after 1 to 4 hours of exposure
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#### **Serious eye damage/eye irritation**

Causes serious eye damage.

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### Components:

#### **4-Chloro-3-methylphenol:**

Species : Rabbit  
Result : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified due to lack of data.

### Components:

#### **4-Chloro-3-methylphenol:**

Routes of exposure : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Probability or evidence of low to moderate skin sensitization rate in humans

### **Germ cell mutagenicity**

Not classified due to lack of data.

### Components:

#### **4-Chloro-3-methylphenol:**

Genotoxicity in vitro : Test system: Bacteria  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Test system: Mammalian-Animal  
Method: OECD Test Guideline 482  
Result: negative

Genotoxicity in vivo : Species: Mouse (male and female)  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative

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### **Carcinogenicity**

Not classified due to lack of data.

### **Components:**

#### **4-Chloro-3-methylphenol:**

Species : Rat, male and female  
Application Route : Oral  
Exposure time : 104 weeks  
NOAEL : 558.9  
Method : OECD Test Guideline 453

### **IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### **NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### **Reproductive toxicity**

Not classified due to lack of data.

### **Components:**

#### **4-Chloro-3-methylphenol:**

Effects on fertility : Species: Rat, male and female  
Application Route: Oral  
General Toxicity F1: NOAEL: 247.8 mg/kg body weight  
Fertility: NOAEL: 1,043 mg/kg body weight  
Method: OECD Test Guideline 416

Effects on fetal development : Species: Rat, female  
Application Route: Oral  
Developmental Toxicity: NOAEL: 100 mg/kg body weight  
Method: OECD Test Guideline 414

### **STOT-single exposure**

May cause respiratory irritation.

### **Components:**

#### **4-Chloro-3-methylphenol:**

Assessment : May cause respiratory irritation.

### **STOT-repeated exposure**

Not classified due to lack of data.

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### Repeated dose toxicity

#### Components:

##### 4-Chloro-3-methylphenol:

Species : Rat, male  
NOAEL : 120 mg/kg  
Application Route : Oral  
Exposure time : 90 d  
Number of exposures : daily  
Method : OECD Test Guideline 408  
Remarks : Subchronic toxicity

Species : Rat, male and female  
NOAEL : 500 mg/kg  
Application Route : Dermal  
Exposure time : 90 d  
Number of exposures : daily  
Method : OECD Test Guideline 411  
Remarks : Subchronic toxicity

### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Remarks : No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### 4-Chloro-3-methylphenol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.917 mg/l  
Exposure time: 96 h  
Method: EPA OPP 72-1 (Fish Acute Toxicity Test)

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2.29 mg/l  
Exposure time: 48 h  
Method: OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test)

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 30.62 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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NOEC (Desmodesmus subspicatus (green algae)): 9.8 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.15 mg/l  
Exposure time: 28 d  
Method: OECD Test Guideline 215

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.32 mg/l  
End point: Reproduction  
Exposure time: 21 d  
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50 (activated sludge): 41.4 mg/l  
End point: Respiration rates.  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### Persistence and degradability

#### Components:

##### **4-Chloro-3-methylphenol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 85 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

### Bioaccumulative potential

#### Components:

##### **4-Chloro-3-methylphenol:**

Partition coefficient: n-octanol/water : log Pow: 2.73 (77 °F / 25 °C)  
pH: 7.2  
Method: OECD Test Guideline 107

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.

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Harmful to aquatic life with long lasting effects.

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste from residues : The generation of waste should be avoided or minimized wherever possible.  
This material and its container must be disposed of in a safe way.  
Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 3261  
Proper shipping name : Corrosive solid, acidic, organic, n.o.s.  
(4-CHLORO-3-METHYLPHENOL)  
Class : 8  
Packing group : III  
Labels : 8  
:



Packing instruction (cargo aircraft) : 864 : 100.00 KG  
Packing instruction (passenger aircraft) : 860 : 25.00 KG  
Environmentally hazardous : yes

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### IMDG-Code

UN number : UN 3261  
UN proper shipping name : CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.  
(4-CHLORO-3-METHYLPHENOL)  
Class : 8  
Packing group : III  
Labels : 8  
:



EmS Code : F-A, S-B  
Marine pollutant : yes



### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 3261  
Proper shipping name : Corrosive solid, acidic, organic, n.o.s.  
(4-CHLORO-3-METHYLPHENOL)  
Class : 8  
Packing group : III  
Labels : 8  
:



ERG Code : 154  
RQ : 5,010.02 lb  
Marine pollutant : yes(4-CHLORO-3-METHYLPHENOL)





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### Hazard and Handling Notes.

Slightly corrosive.  
Environmentally hazardous substance.  
Keep dry.  
Keep separated from foodstuffs  
The U.S. DOT regulations in Appendix B to 49 CFR § 172.101, paragraph 4 permit this material to ship as marine pollutant.

### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
4-Chloro-3-methylphenol	59-50-7	5000	5010

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Combustible dust  
Acute toxicity (any route of exposure)  
Respiratory or skin sensitization  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Massachusetts Right To Know

4-Chloro-3-methylphenol      59-50-7      95 - 100

#### Pennsylvania Right To Know

4-Chloro-3-methylphenol      59-50-7      95 - 100

#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### TSCA inventory

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TSCA : This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### FIFRA information

EPA registration number : 39967-12

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word : Danger

Hazard Statements : Corrosive Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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## SECTION 16. OTHER INFORMATION

### Further information

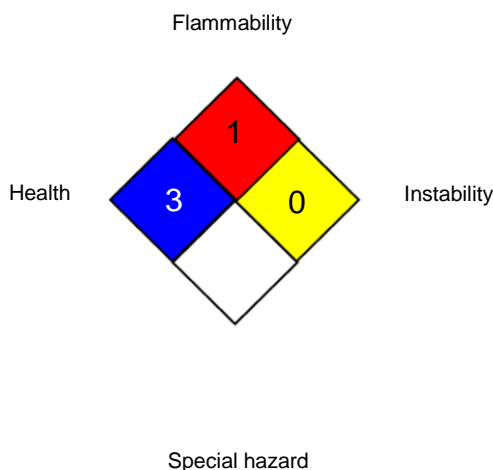
# SAFETY DATA SHEET

## PREVENTOL CMK PRESERVATIVE



Version 3.0      Revision Date: 10/11/2024      SDS Number: 203000004521      Date of last issue: 05/14/2024  
Country / Language: US / EN

### NFPA 704:



### HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AiIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments

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and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 10/11/2024

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.