

**MATERIAL SAFETY DATA SHEET**  
**NIPACIDE CMX**

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Substance key: 000000375130  
Version : 1 - 1 / USARevision Date: 03/05/2010  
Date of printing :03/06/2010**Section 01 - Product Information****Identification of the company:**Clariant Corporation  
4000 Monroe Road  
Charlotte, NC, 28205  
Telephone No.: +1 704-331-7000**Information of the substance/preparation:**Functional Chemicals  
Product Safety 1-704-331-7710**Emergency tel. number:** +1 800-424-9300(CHEMTREC)**Trade name:****NIPACIDE CMX****Primary product use:**

Microbiocide: use EPA FIFRA Registration #49403-37. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**Section 02 - Composition information on hazardous ingredients****Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
4-Chloro-3,5-Xylenol	88-04-0	100 %
Particulates Not Otherwise Regulated (PNOR)		> 1 %

**Section 03 - Hazards identification****Health effects of exposure:**

Chloroxylenol ( 88-04-0 )

Chloroxylenol: A severe to corrosive eye irritant that can cause serious and permanent eye damage. Chloroxylenol is only a slight irritant to rabbit skin, but repeated prolonged contact with undiluted material, may cause irritation, swelling, and fissuring of the skin. It is a mild skin sensitizer in humans and may cause allergic skin reactions in some individuals. Chloroxylenol demonstrates moderate to low acute toxicity via ingestion, inhalation, and dermal routes of exposure. Inhalation may cause irritation of mucous membranes and the upper respiratory tract. Symptoms may include coughing, wheezing, and shortness of breath. Ingestion may cause nausea, abdominal pain and vomiting. Chloroxylenol showed no evidence of mutagenicity or genetic toxicity. Aquatic toxicity testing indicates that chloroxylenol is highly toxic to freshwater fish and moderately toxic to invertebrates. LD50(oral)(rat): 3,830 mg/kg. LD50(dermal) (rat): >2,000 mg/kg. LC50 (inhalation)(rat): >6.29 mg/l 96 hour. LC50 (rainbow trout): 0.77 mg/l 48 hour. LC50 (bluegill sunfish): 2.6 mg/l. LC50 (daphnia magna): 7.7 mg/l 96 hour.

**Known effects on other illnesses:**

No known effects on other illnesses for this

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**Listed carcinogen:** product.  
IARC: No  
NTP: No  
OSHA: No  
Other: No

**HMIS:**

Health: 3

Flammability: 1

Reactivity: 0

Personal protection: E

**Section 04 - First aid measures****After inhalation:**

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**After contact with skin:**

Remove contaminated clothing. Flush all affected areas with large amounts of water for at least 15 minutes. Seek medical attention immediately.

**After contact with eyes:**

Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

**After ingestion:**

If ingested, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person..

**Advice to doctor / Treatment:**

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

**Section 05 - Fire fighting measures**

**Flashpoint:** 280 °F

**Hazardous combustion products:**

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)  
Hydrogen chloride (HCl)

**Extinguishing media:** water spray jet  
foam  
dry powder  
carbon dioxide

**Section 06 - Accidental release measures****Steps to be taken in case of spill or leak:**

Wear proper protective equipment. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Do not discharge into storm drains or the aquatic environment.

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Store in original container, tightly closed and in a safe place. Do not use or store near heat or open flame. Do not contaminate water, food or feed by storage or disposal.

**Further info on storage conditions:**

Store in original container.  
Keep containers closed.

**Section 08 - Exposure controls / personal protection****Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Values / Remarks
Particles (insoluble or poorly soluble)		US ACGIH Threshold Limit Values	Threshold Limit Value_Time Weighted Average	10 mg/m <sup>3</sup>
Particulates not otherwise regulated (PNOR)		US OSHA Table Z-1 Limits for Air Contaminants [29 CFR 1910.1000]	8-hour Time Weighted Averages	15 ppm; 15 mg/m <sup>3</sup>

**Respiratory protection:**

If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

**Hand protection:**

Butyl Rubber, PVC Or Neoprene.

**Eye protection:**

As required, a NIOSH approved respirator with a full facepiece will give eye protection, or chemical splash proof goggles and a faceshield.

**Other protective equipment:**

Protective clothing to minimize skin contact should be worn. Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

**IDLH:**

Not Determined

**Section 09 - Physical and chemical properties**

<b>Form:</b>	crystals
<b>Color:</b>	white to beige
<b>Odor:</b>	slightly phenolic
<b>pH:</b>	7 (0.2 g/l)

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**Solubility in water:** 0.3 g/l  
insoluble

**Density:** 0.67 g/cm<sup>3</sup>

**Melting point :** 237 - 240 °F

**Boiling temperature :** 474 °F

**Further information:**  
The product is sensitive to oxidation.

**Section 10 - Stability and reactivity**

**Thermal decomposition:** > 100 °C

**Chemical stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Conditions to avoid:** None known.

**Section 11 - Toxicological information****Product information:**

**Acute oral toxicity:** LD<sub>50</sub> > 2,000 mg/kg (rat)  
Source: literature

**Acute inhalation toxicity:** LC<sub>50</sub> 6.29 mg/l (4 h, rat )  
Source: literature

**Other relevant toxicity information:**

Irritates eyes and skin  
Possibility of sensitization through skin contact

**Section 12 - Ecological information****Product information:**

**Biodegradation:** The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.

**Fish toxicity:** LC<sub>50</sub> 0.77 mg/l (96 h)

**Daphnia toxicity:** EC<sub>50</sub> 7.7 mg/l (48 h)  
Source: literature

**Remarks:**

Do not allow to enter soil, waterways or waste water

**Section 13 - Disposal considerations**

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Dispose of in approved landfill or incinerate. Dispose of in accordance with local state and federal regulations. Toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a national pollutant discharge elimination system (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance contact your state water board or regional office of the EPA. ----- Container disposal: triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**RCRA hazardous waste:**No -- Not as sold.  
RCRA number: NONE**Section 14 - Transport information**

DOT not restricted

**IATA**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.  
Class: 9  
Packing group: III  
UN/ID number: UN 3077  
Primary risk: 9  
Remarks: Shipment permitted

**IMDG**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.  
Class: 9  
Packing group: III  
UN no.: UN 3077  
Primary risk: 9

**Further information:**

According to 49CFR not regulated for surface or air transportation in non-bulk containers under 119 gallons (liquid) or 882 pounds (solid).

**Section 15 - Regulatory information****TSCA Status:**

All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FIFRA and must comply with the FIFRA regulations.

**SARA (section 311/312):**

Reactive hazard: no  
Pressure hazard: no  
Fire hazard: no  
Immediate/acute: yes  
Delayed/chronic: no

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This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

**Clean Water Act:**

Contains no known priority pollutants at concentrations greater than 0.1%.

**Volatile organic compounds VOC:**

Remarks: Not applicable

**FDA:**

Permitted for Use per Section: 21 CFR 175.105

This product is registered with the FDA.

**Section 16 - Other information****Other precautions:**

Environmental Hazard: Toxic to aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA. Avoid breathing fumes or vapors and avoid contact with skin and eyes. Wear proper protective equipment. Keep container closed when not in use.

**Label information:**

WARNING!

When shipping this product use pre-printed labels supplied through Product Safety, Functional Chemicals Division. Labels must comply with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.