

SAFETY DATA SHEET

MOLD-CARE®

Moldicide Concentrate

Health Emergencies: CHEMTREC® (800) 424-9300

1. PRODUCT AND COMPANY INFORMATION

Product Identity: Mold-Care®

Recommended use of the chemical and restrictions on use: Used as part of a co-pack with Bora-Care® for the control and prevention of mold and wood surface fungi.

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853

Telephone: Phone: (800) 264-0870
Fax: (865) 577-5825

Emergency Phone: 800-424-9300 (CHEMTREC)

SDS Date of Preparation: 6/23/15

2. HAZARDS IDENTIFICATION

GHS Classification:

Health	Physical
Acute Toxicity Oral Category 4 Acute Toxicity Dermal Category 4 Skin Corrosion Category 1B Serious Eye Damage Category 1	Flammable Liquids Category 3

GHS Label Elements:

Signal Word: Danger

Statements of Hazard

H226 Flammable liquid and vapor.
H302 + H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Precautionary Statements**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.
P305 + P351 + P338 + P310 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 or doctor/physician.
P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Quaternary ammonium compounds, di-C8-10alkyldimethyltr chlorides	68424-95-3	80%
Propan-2-ol	67-63-0	10%
Water	7732-18-5	10%

4. FIRST AID MEASURES

If Inhaled: Move to fresh air. Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.

In case of eye contact: Immediately flush eye(s) with plenty of water. Call a physician immediately.

If swallowed: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, dry powder, foam.

Specific hazards arising from the chemical: Heating or fire can release toxic gas.

Further information: Use water spray to cool unopened containers.

Special protective equipment for fire fighters: In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Use respirator when performing operations involving potential exposure to vapor of the product.

General advice: Do not flush into surface water or sanitary sewer system.

Methods and Materials for Containment and Cleaning Up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling: Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

Conditions for Safe Storage, Including Any Incompatibilities: Keep tightly closed. Keep in a dry, cool and well-ventilated place. TO maintain product quality, do not store in heat or direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Components	CAS No.	Value	Control Parameters/ Permissible Concentration	Basis
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		REL	400 ppm 980 mg/m ³	NIOSH/GUIDE
		STEL	500 ppm 1,225 mg/m ³	NIOSH/GUIDE
		PEL	400 ppm 980 mg/m ³	OSHA_TRANS
		TWA	400 ppm 980 mg/m ³	Z1A
		STEL	500 ppm 1,225 mg/m ³	Z1A
		TWA	200 ppm	CAD ON OEL
		STEL	400 ppm	CAD ON OEL

Appropriate Engineering Controls: In the case of vapor formation use a respirator with an approved filter.

Hand Protection Material: Wear suitable gloves.

Eye Protection: Wear tightly fitting goggles, face shield.

Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear rubber or plastic apron and rubber or plastic boots.

Hygiene Measures: Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Color: Colorless liquid.

Odor: No information available

Odor Threshold: No data available

pH: 6, Concentration: 100g/l

Crystallization Point: No data available

Boiling Point/Boiling Range: No data available

Flashpoint: 110.19°F (43.44°C)

Evaporation Rate: No data available

Upper Explosion Limit: No data available

Lower Explosion Limit: No data available

Vapor Pressure: No data available

Relative Vapor Pressure: No data available

Relative Density: No data available

Density: No data available

Solubility: Soluble in water

Partition coefficient: n-octanol/water: No data available

Auto-Ignition Temperature: No data available

Viscosity, Dynamic: No data available

Viscosity, Kinematic: No data available

10. STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Stable under normal conditions.

Conditions to Avoid: No data available

Incompatible Materials: Avoid strong oxidizing agents and reducing agents.

Hazardous Decomposition Products: Hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

Information on likely routes of exposure: Inhalation, ingestion, eyes and skin.

Acute oral toxicity (LD₅₀): 284 mg/kg, Species: Rat Method: FIFRA

Acute oral toxicity (LD₅₀): 455 mg/kg Species: Rat

Acute dermal toxicity (LD₅₀): 397 mg/kg, Species: Rabbit, Exposure time: 24 h, GLP: yes

Acute dermal toxicity (LD₅₀): 397 mg/kg, Species: Rabbit

Skin Irritation: Corrosive, Species: Rabbit, Exposure time: 4 h, Method: DOT

Eye Irritation: Corrosive, Species: Rabbit, Assessment: Risk of serious damage to eyes. Method: FIFRA, GLP: yes

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish (LC₅₀): 0.32 mg/l, Species: *Lepomis macrochirus* (Bluegill sunfish), Exposure time: 96 h

Toxicity to fish (LC₅₀): 1.0 mg/l, Species: *Salmo salar* (Atlantic salmon), Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (LC₅₀): 0.069 mg/l, Species: *Crangon crangon* (shrimp), Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates (EC₅₀): 0.94 mg/l, Species: *Daphnia magna* (Water flea) Exposure time: 48 h

Persistence and Degradability: No data available

Bioaccumulative Potential

Components:

Propan-2-ol: Partition coefficient: n-octanol/water

Mobility in Soil: No data available

13. DISPOSAL CONSIDERATION

Waste from Residues: Dispose of in accordance with local regulations. Can be landfilled or incinerated when in compliance with local regulations.

Contaminated Packaging: 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.

14. TRANSPORTATION INFORMATION

DOT Hazardous Materials Description: Not Regulated (unless package contains a reportable quantity). Small sizes/quantities may be Limited Quantity or ORM-D. For bulk shipping, contact manufacturer.

Proper Shipping Name: Disinfectants, liquid, corrosive n.o.s. (Dialkyldimethylammonium chloride)

UN Number: UN1903

Hazard Class/Packing Group: 8, II

Labels Required: Class 8

Emergency Response Guidebook Number: 153

Environmental Hazards: No

15. REGULATORY INFORMATION

FIFRA Labeling:

Mold-Care

EPA Reg. No. 6836-212-64405

Keep Out of Reach of Children

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

DANGER. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Harmful if absorbed through skin. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, protective clothing and impervious gloves. Do not breathe dust, vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking and using tobacco.

WHMIS Classification: E-Corrosive Material B2: Flammable Liquid

EPCRA - Emergency Planning and Community Right-To-Know

CERCLA Reportable Quantity: 1000 lbs.

SARA 311/312 Hazards: Acute Health Hazard

SARA 302: No chemicals in the material are subject to the reporting requirements of SARA Title III, Section 302.

US State Regulations:**Massachusetts, Pennsylvania & New Jersey Right-to-Know**

State	Component	CAS No.	Component RQ
Massachusetts	Propan-2-ol	67-63-0	10-20%
Pennsylvania	Propan-2-ol	67-63-0	10-20%
	Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	70-90%
	Water	7732-18-5	10-20%
New Jersey	Propan-2-ol	67-63-0	10-20%
	Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	70-90%
	Water	7732-18-5	10-20%

The components of this product are reported in the following inventories:

All components of this product are currently listed on the EPA TSCA 8(b) inventory list or are incidental byproducts.

This product can only be used commercially in the EPA registered application(s) noted on the product label.

California, Prop 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION**HMIS Rating:**

Health = 3 Flammability = 2 Reactivity = 0

SDS Revision History: 05/20/15: New SDS
06/23/15: Revised

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