

MOLD-CARE®

Moldicide Concentrate

Active Ingredient:

Didecyl dimethyl ammonium chloride 80.0%

Inert Ingredients 20.0%

TOTAL 100.0%

EPA Reg. No. 6836-212-64405 EPA Est. 64405-TN-1

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID

If in Eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If Inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

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

PRECAUTIONARY STATEMENTS

Hazards to Human and 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.

Individuals who enter pressure treated cylinders and other related equipment that are contaminated with the wood treatment solution (e.g., cylinders that are in operation or are not free of the treatment solution) must wear protective clothing including overalls, jacket, gloves and boots impervious to the wood treatment formulation. Federal, state and local confined space entry procedures must be followed.

Applicators must not eat or drink, or use tobacco products, during those parts of the application process that may expose them to the wood treatment formulation (e.g., manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals, handling freshly treated wood).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated. Do not reuse them. Follow manufacturer's instructions for cleaning/-maintaining protective equipment. If no such instructions exist for washables, use detergent and hot water. Keep and wash protective equipment separate from other laundry.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wash waters. 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 the local sewage treatment plant authority. For guidance contact your state water board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

Mold-Care Moldicide Concentrate is a concentrated biocide for use as a wood preservative. When used as directed, Mold-Care Moldicide Concentrate will protect treated wood articles from the destructive attack of fungi, mold and mildew.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Mold-Care Moldicide Concentrate can be used in combination with other EPA-registered organic and inorganic wood preservatives. Mix Mold-Care Moldicide Concentrate and Bora-Care® (EPA Reg. No. 64405-1) in water and stir to give a solution of the desired concentration of components following the use directions on each label.

Mold-Care Moldicide Concentrate and Bora-Care must be mixed prior to application. Follow the instructions below for proper mixing.

Mixing Procedure:

- Pour 4 gallons of water into a six-gallon pail.
- Attach mixing impeller to drill and begin agitation.
- Gradually add 1 gallon of Bora-Care® and 1 pint of Mold-Care Moldicide Concentrate into the pail of water and continue to mix solution.
- Use 1 gallon of water to triple rinse the Mold-Care Moldicide Concentrate and Bora-Care containers and pour contents into the mixing solution.
- Continue to mix until solution is fully mixed. Normal mixing time may be 5 minutes. Warm water will reduce mixing time.

Note: Do not allow mixing impeller to touch sides or bottom of pail. This may create small plastic chips that could clog spraying equipment.

Application Instructions:

Use a 2-4 gallon hand-held stainless steel sprayer or backpack sprayer to apply up to 2-4 gallons of the Mold Care Moldicide Concentrate/Bora-Care use-solution at a time. For larger amounts, a 10-100 gallon spray unit with mechanical pump is recommended. One gallon of the use-solution will treat 400 board feet of wood or 400 square feet of sheathing, insulation or drywall.

Assure uniform coverage of surfaces to be treated. Surfaces must be evenly wet without runoff or pooling. Permit treated surfaces to be thoroughly dry before painting or affixing overlayment materials such as siding, wallboard or flooring.

The following Personal Protective Equipment must be worn during application of the Mold-Care Moldicide Concentrate/Bora-Care use-solution:

Protective eyewear, long pants, long-sleeved shirt, chemical-resistant gloves and full-face respirator with HEPA filter (required if application is in a confined area).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Do not store on side. Avoid -creasing or impacting of side walls. **Pesticide Disposal:** Pesticide wastes are acutely -hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these pesticides cannot be disposed of by use -according to label instructions, contact your state -pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance. **Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if -available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

SPECIMEN LABEL



100 Nisus Drive • Rockford, TN 37853 • (800) 264-0870

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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-C8-10alkyldimethylchlorides	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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