

Material Safety Data Sheet – MOLDEX® The Mold Inhibitor

EnviroCare Corporation

10 Upton Drive
Wilmington, MA 01887

MATERIAL SAFETY DATA SHEET – MOLDEX® The Mold Inhibitor

Section 1: Product & Company Identification

Trade Name: MOLDEX® THE MOLD INHIBITOR (RTU - Ready To Use)
EPA No. 10324-85-82480
Product Class: Quaternary Ammonium Compound
Product Use: RTU Disinfectant
Manufacturer: EnviroCare Corporation
10 Upton Drive
Wilmington, MA 01887
Telephone Numbers: 24 hr. Emergency Assistance: **Chemtrec** 1-800-424-9300 (US/Canada); 1-703-527-3887 (Intl/Maritime)
Product or Company Information: 1-978-658-0123 (Mon – Fri)

Section 2: Composition/Information on Ingredients

Ingredient	CAS #	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₆)	68424-85-1	< 0.1
Octyl decyl dimethyl ammonium chloride	32426-11-2	< 0.1
Diocetyl dimethyl ammonium chloride	5538-94-3	< 0.1
Didecyl dimethyl ammonium chloride	7173-51-5	< 0.1
Ethanol	64-17-5	<200 ppm

Section 3: Hazards Identification

Emergency Overview Clear, colorless to straw colored liquid. May be mildly irritating.

Potential Health Effects:

Skin: May be mildly irritating. Very large exposure may be harmful.
Eyes: May cause irritation.
Inhalation: Mists and vapors may be mildly irritating to the throat and respiratory tract.
Ingestion: Harmful if swallowed.
Chronic: None

Section 4: First Aid Measures

Eyes: 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 eyes. If irritation persists, get medical attention.
Skin: Flush immediately with plenty of water. If irritation persists, get medical attention.
Inhalation: If breathing is affected, remove to fresh air. Get medical attention.
Ingestion: Immediately drink one cupful of water or milk. Get medical attention.
Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects

Section 5: Fire Fighting Measures

Flash Point: None when heated to 102°C (Cleveland Open Cup).
Upper & Lower Flame Limits Not determined.
Extinguishing Media: Use any agent appropriate for surrounding fire.
Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
Hazardous Combustion Products: Irritating and toxic gases or fumes may be released during a fire.

Section 6: Accidental Release Measures

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Spill and Leak Procedures

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind.
Spill Cleanup: Ventilate closed spaces before entering. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Large Spills: Dike far ahead of liquid spill for later disposal.

Section 7: Handling & Storage

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
Storage Procedures: Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment:

Eyes/Face: Safety glasses with side-shields if splashing is likely
Hand Protection No special requirements under normal use conditions.
Skin and body No special requirements under normal use conditions
Respiratory: No special requirements under normal use conditions
Hygiene measures Handle in accordance with good industrial hygiene and safety practice
General: Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

Ingredient	Exposure Guideline	Guideline Value
No ingredients listed in this section		

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9: Physical & Chemical Properties

Flash Point: None when heated to 102°C (Cleveland Open Cup).
Specific Gravity: 0.9992 (8.34 lbs./gal.)
Percent Volatiles: Not determined.
Vapor Pressure: Not determined.
VOC Content Not determined.
Vapor Density: Not determined.
Viscosity: 0.955 mm²/s (cSt)
Evaporation Rate: Not determined.
Pour Point: Not determined.
pH : 7.99
Appearance and Odor: Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

Section 10: Stability & Reactivity

Chemical Stability: Material is stable.
Conditions to Avoid: Keep away from strong oxidizing agents.
Incompatibilities: Strong oxidizing agents, reducing agents.
Hazardous Decomposition: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Carcinogenicity No Carcinogenicity data available for this product.
Acute Oral LD50 > 5,000 mg/kg in rats
Acute Dermal > 2,000 mg/kg in rats
Primary Skin Not an irritant.
Primary Eye Mildly irritating.

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Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

Section 12: Ecological Information

Ecotoxicity Very Toxic to aquatic organisms

Information available upon request. Please contact Envirocare Corporation Technical Service Department.

Environmental Fate

This product is biodegradable

Section 13: Disposal Considerations

Disposal Instructions

Although not considered a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

Section 14: Transport Information

DOT Hazard Class	Not regulated.
DOT Proper Shipping Name	Not applicable.

Section 15: Regulatory Information

TSCA Status

While all ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

Other Chemical Inventories

All components of this product are listed on the following inventories: Canada (DSL), European Union, China, Korean and Philippines. One or more ingredients are not listed on the following inventories: Australia and Japan.

CERCL/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370:

Classification of this product: Immediate, Fire

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS No.	Maximum Concentration	Comment
No ingredients listed in this section.			

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

Chemical Name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No ingredients listed in this section.		

State & Provincial Right to Know & Selected Regulatory Lists

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The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Ethanol < 200 ppm	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAP65C, FL, IL, MA, MN, NJ, PA

AZ – Arizona Ambient Air Quality Guidelines	IL – Illinois Toxic Air Contaminant - Carcinogenic
CT – Connecticut Hazardous Air Pollutants	MA – Massachusetts Right to Know List
CA – California Director's List of Hazardous Substances	MN – Minnesota Hazardous Substances List
CAP65C – California Prop 65 Carcinogen	NJ – New Jersey Right to Know List
FL – Florida Substances List	PA – Pennsylvania Right to Know List
ID – Idaho Non-carcinogen Toxic Air Pollutants	RI – Rhode Island Hazardous Substances List

WHMIS Classification: Not a controlled product. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

Current Issue Date: February 2014
Previous Issue Date: April 2011
Changes from Previous Issue Date: Review

Hazard Ratings	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE	A	

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