

MATERIAL SAFETY DATA SHEET

MOLDEX® DISINFECTANT

Section 1: Product and Company Identification

Trade Name: MOLDEX® DISINFECTANT

EPA No. 1839-83-82480

Product Class: Quaternary Ammonium Compound

Product Use: RTU – Ready to Use Disinfectant

Sold By: 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

	CAS #	Wt %
Diethylene glycol monobutyl ether	112-34-5	8
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alt CAS# 68956-79-6)	85409-23-0	0.105
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105

Section 3: Hazards Identification

Emergency Overview Contact with eyes and skin may cause irritation

Potential Health Effects

Eyes	Contact with eyes may cause irritation.
Skin	Contact with skin may cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Section 4: First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Skin contact	For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists get medical attention. Wash clothing separately before reuse.
Inhalation	If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.

Section 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
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Protection of firefighters

Protective equipment and precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
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Hazardous combustion products

Not available.

Section 6: Accidental Release Measures

Personal precautions	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
Methods for containment	Prevent entry into waterways, sewers, basements or confined areas
Methods for cleaning up	Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.
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.

Section 7: Handling and Storage

Handling	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
Storage	DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in cool place. Keep in a well-ventilated place.

Section 8: Exposure Controls / Personal Protection

Engineering controls	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.
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Personal protective equipment

General	Eye wash fountain and emergency showers are recommended.
Eye / face protection	Wear chemical goggles. Face-shield.
Skin protection	Wear suitable protective clothing. Use impervious gloves.
Respiratory protection	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Section 9: Physical & Chemical Properties

Physical state	Liquid
pH	11.7
Freezing point	> 32 °F (> 0 °C)
Boiling point	> 212 °F (> 100 °C)
Flash point	> 201 °F (> 93.9 °C) PMCC
Density	8.38lb/gal
Solubility (water)	Complete

Section: 10: Stability & Reactivity

Chemical stability	Stable at normal conditions.
Incompatible materials	Strong acids, alkalis and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

Section 11: Toxicological Information

Toxicological Data

Components

Diethylene glycol monobutyl ether (112-34-5)

Test Results

Acute Dermal LD50 Rabbit: 2700 mg/kg
Acute Oral LD50 Guinea pig: 2000 mg/kg
Acute Oral LD50 Mouse: 2400 mg/kg
Acute Oral LD50 Rabbit: 2200 mg/kg
Acute Oral LD50 Rat: 4500 mg/kg
Acute Other LD50 Mouse: 850 mg/kg
Acute Other LD50 Rat: 500 mg/kg

Section 12: Ecological Information

Ecotoxicological data

Components

Diethylene glycol monobutyl ether (112-34-5)

Test Results

LC50 Bluegill (Lepomis macrochirus): 1300 mg/l 96 hours

Aquatic toxicity Very toxic to aquatic organisms.

Section 13: Disposal Considerations

Disposal instructions All wastes must be handled in accordance with local, state and federal regulations. Dispose of contents/container in accordance with local/regional/national/international regulations. Regulations vary.

Section 14: Transport Information

Notes Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

US Federal Regulations This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations.

Reportable Quantity There is no calculable reportable quantity (RQ) for this product.

CERCLA(Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16: Other Information

Further Information HMIS® is a registered trade and service mark of the NPCA

HMIS® ratings Health: 1
Flammability: 1
Physical Hazard: 0
Personal Protection: X

NFPA ratings Health: 1
Flammability: 1
Instability: 0

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