

The Deirdre Imus Environmental Health Center®

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SDS Safety Data Sheet

SECTION 1 - IDENTIFICATION

Product Name:	DIC 1 Spray Disinfectant	Chemical Class:	Quaternary Disinfectant
Product Use:	Spray Disinfectant	CAS#:	N/A, Mixture
CABVI CODE:	640.12	EPA REG NO	1839-83-83908

SECTION 2 - HAZARDOUS IDENTIFICATION

Color: Light Green Clear **Physical:** Liquid **Odor:** Light Fresh Citrus Scent

Emergency Overview

Contact with eyes may cause irritation. Contact with skin may cause irritation. May cause irritation to the respiratory system.

Potential health effects

Eyes: Contact with eyes may cause irritation.

Skin: This product may cause irritation to the skin.

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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

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. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. 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.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing media

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

Protection of firefighters

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

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. Avoid breathing vapors or mists of this product.

Storage DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Store in cool place. Keep in a well-ventilated place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

ACGIH Components

Diethylene glycol monobutyl ether (CAS 112-34-5)

Type **Value**

TWA **10 PPM**

Form

Inhalable fraction and vapor

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

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 AND 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) Pensky-Martens Closed Cup
Density:	8.38 lbs/gal @ 25 C
Solubility (water):	Complete

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability:	Stable at normal conditions.
Conditions to avoid:	Not available.
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

NOT AVAILABLE

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL DATE COMPONENTS

Diethylene glycol monobutyl ether (112-34-5)

Test Results

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

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

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

Country(s) or region	Inventory name	On inventory (yes/no)*
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 Commercial 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 and Chemical Substances (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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory 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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