

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Disinfectant DIC-1  
**Manufacture:** The Deirdre Imus Environmental Center  
Hackensack University Medical Center  
**Address:** 30 Prospect Ave.  
Hackensack, NJ 07601  
**Telephone:** (201)-336-8159

**Product Use:**  
**Supplier:**  
**Address:**  
**Telephone:**

## SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD <sub>50</sub>
Water	7732-18-5	60-100	Not applicable	Not applicable	14500 mg/kg (oral, rat)
Diethylene glycol monobutyl ether	112-34-5	5-10	Not applicable	Not applicable	3,384 mg/kg (oral, rat)
Tetrasodium EDTA	64-02-8	1-5	Not applicable	Not applicable	3030 mg/kg (oral, rat)
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0-1	Not applicable	Not applicable	450 mg/kg (oral, rat)
Alkyl dimethyl ethylbenzyl ammonium chloride	85409-23-0	0-1	Not applicable	Not applicable	450 mg/kg (oral, rat)
Sodium metasilicate	6834-92-0	0-1	Not applicable	Not applicable	1,153 mg/kg (oral, rat)
Alcohol ethoxylate	61788-90-7	0-1	Not applicable	Not applicable	4,610 mg/kg (oral, rat)
Fragrance	Mixture	0-1	Not applicable	Not applicable	Not available
Dye	Mixture	0-1	Not applicable	Not applicable	Not available

## SECTION III – HAZARDS IDENTIFICATION

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion.

**Potential Health Effects:**

**Eye Contact:** May cause irritation upon direct contact.

**Skin Contact:** May cause irritation.

**Inhalation:** May cause respiratory tract irritation and coughing, headache.

**Chronic Effects/Carcinogenicity:**

**Carcinogenicity:** No ingredients listed by IRAC or NTP.

## SECTION IV – FIRST AID MEASURES

**Eye Contact:** Flush with water for 15 minutes. Seek medical attention if irritation persists.

**Skin Contact:** Flush with water. Seek medical attention if irritation develops.

**Inhalation:** Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist.

## SECTION V – FIRE FIGHTING MEASURES

**Flammability:** Not flammable **Flash Point:** (deg C, TCC): None

**Hazardous Combustion Products:** Ammonia and oxides of carbon and nitrogen.

**Means of Extinction:** Dry chemical, carbon dioxide, alcohol foam.

**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. For large quantities, dispose of in accordance with local, state/provincial and federal laws.

## SECTION VII – HANDLING AND STORAGE

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. Store in closed container. Store away from incompatible materials.

## SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

**Gloves:** Use protective gloves.

**Eye protection:** Where direct eye contact may be a problem, use chemical splash goggles.

**Respiratory protection:** Not normally required if good ventilation is maintained.

**Other protective equipment:** As required by employer code.

**Engineering Controls:** General ventilation normally adequate.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point (deg C):** 97 **Specific Gravity (H<sub>2</sub>O =1):** 1.02 **Evaporation Rate (Water=1):** Similar  
**% Volatile (Wt%):** 79.3 **Solubility in water:** Soluble **pH (as supplied):** 12.3  
**Physical State:** Liquid **Viscosity:** Water thin **Appearance/Odor:** Green, lemon

## SECTION X – STABILITY AND REACTIVITY

**Conditions for Chemical Instability:** Stable

**Incompatible Materials:** Strong oxidizing agents and strong acids.

**Hazardous Decomposition Products:** Ammonia and oxides of carbon and nitrogen.

## SECTION XI – TOXICOLOGICAL INFORMATION

This product may cause irritation to the eyes or skin upon prolonged contact.

## SECTION XII – ECOLOGICAL INFORMATION

**Biodegradability:** Not determined.

## SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local state/provincial and federal regulations.

## SECTION XIV - TRANSPORTATION

**T.D.G. Classification:** Not regulated under TDG

**D.O.T. Classification:** Not regulated under DOT

## SECTION XV – REGULATORY INFORMATION

**Occupational Health and Safety Regulations:**

**WHMIS Class:** NA

**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations Under the Hazardous Product Act).

**Environmental Regulatory Lists:**

**SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 –** Diethylene glycol monobutyl ether is listed as Glycol Ether.

**CERCLA – Section 102 (Reportable Quantity) 40 CFR 302 -** None of these ingredients are listed.

**RCRA 40 CRT 261 (Subpart D) –** None of these ingredients are listed.

**CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116:** None of these ingredients are listed.

**CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C) –** Diethylene glycol monobutyl ether is listed as Glycol Ether.

**National Pollutant Release Inventory –** None of the ingredients are listed.

**Toxic Substance Control Act (TSCA) –** All ingredients are listed on the Chemical Substance Inventory.

**Canadian Domestic Substance List (DSL) -** All the ingredients are listed on the DSL.

## SECTION XVI – OTHER INFORMATION

**Date:** May 5, 2009 **Prepared by:** Technical Services Group **Telephone:** (705)-740-2880

### Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages which result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400), or CSST in Montreal . Quebec (514-873-3990).