

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Neutral Disinfectant Concentrate # 256C **Product Use:** Disinfectant Cleaner
Manufacturer: Enviro-Solutions Limited **Supplier:**
Address: 2060 Fisher Dr., **Address:**
Peterborough, ON K9J 8N4
Telephone: (705) 745-3070 **Telephone:**
Emergency Phone: CANUTEC (613) 996-6666

SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TL	LD ₅₀
Water	7732-18-5	60-100	Not applicable	Not applicable	14,500 mg/kg (oral, rat)
Didecyl dimethyl ammonium chloride	7173-51-5	10-30	Not applicable	Not applicable	450 mg/kg (oral, rat)
Lauryl dimethylamine oxide	61788-90-7	1-5	Not applicable	Not applicable	4,610 mg/kg (oral, rat)
Tetrasodium ethylenediaminetetraacetate	64-02-8	1-5	Not applicable	Not applicable	3,030 mg/kg (oral, rat)
Fragrance	Mixture	0-1	Not applicable	Not applicable	>5,000 mg/kg (oral, rat)
Green D&C #5	4403-90-1	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: Corrosive. Can cause eye damage.

Skin Contact: Corrosive. Can cause skin damage. Can be harmful or fatal if absorbed through the skin.

Inhalation: No hazards under normal conditions of use. Can cause nose, throat and respiratory tract irritation.

Ingestion: Harmful or fatal if swallowed.

Chronic Effects/Carcinogenicity:

Carcinogenicity: No ingredients listed by IARC or NTP. Non-hazardous by WHMIS standards.

SECTION IV – FIRST AID MEASURES

Eye Contact: Flush with water for 15 minutes. Seek medical attention.

Skin Contact: Flush with water for 15 minutes. Seek medical attention if irritation develops.

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

Ingestion: Drink milk, egg whites, and gelatin solution or if none of these are available, drink large quantities of water. Seek medical attention immediately.

SECTION V – FIRE FIGHTING MEASURES

Flammability: Not flammable

Flash Point: (deg C, TCC): None to boiling.

Hazardous Combustion Products: Oxides of carbon, oxides of nitrogen.

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

Special Fire Hazards: None known to us at this time.

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. Surfactants are readily biodegradable as per OECD Test Method 301D. 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. Do not store in food processing areas or food storage areas.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: If prolonged/repeated contact is made, use protective gloves.

Eye protection: Where 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 (H₂O =1):** 0.989 **Evaporation Rate (Water=1):** Similar
% Volatile (Wt%): 79.3 **Solubility in water:** Soluble **pH (as supplied):** 8.3
Physical State: Liquid **Viscosity:** Water thin
Appearance/Odor: Blue green, natural fragrance

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Not available

SECTION XI – TOXICOLOGICAL INFORMATION

The calculated LD₅₀ of the product is 1,718 mg/kg (oral, rat). This product can cause damage to the eyes or skin upon prolonged contact.

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: Organic Ingredients of this formula have been tested by an independent laboratory and all are readily biodegradable as measured by OECD Test method 301D. This measures biodegradability under load and in simulated real life conditions.

Aquatic Acute Toxicity: 96 hour Rainbow trout LC50> 80mg/L

(At concentrate) 48 hour Daphnia magna LC50> 80 mg/L

72 hour Algae growth inhibition test LC50 > 600 mg/L

These results exceed standards of 10mg/L set by recognized testing authorities for green product at use dilutions.

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

SECTION XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:

WHMIS Class: Product is registered under the Food and Drug Act (D.I.N.02130785) (EPA 6836-205-68138).

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 – None of these ingredients are listed.

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

RCRA 40 CFR 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) – None of these ingredients are listed.

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

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

Canadian Domestic Substance List (DSL) – All the ingredients are registered on the DSL.

SECTION XVI – OTHER INFORMATION

Date: Dec. 16, 2005

Prepared by: Technical Services Group

Telephone: (705) 745-3070

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 or consequential damages, which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any 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).

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