

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Sanitizer #512C (Ready-To-Use)	<b>Product Use:</b>	Sanitizer
<b>Manufacturer:</b>	Enviro-Solutions Limited	<b>Supplier:</b>	
<b>Address:</b>	120 Eglinton Ave. E. #1100 Toronto, ON M4P 1E2	<b>Address:</b>	
<b>Telephone:</b>	(416) 440-4212	<b>Telephone:</b>	
<b>Emergency Phone:</b> CANUTEC (613) 996-6666			

## SECTION II – INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>CAS#</b>	<b>Wt%</b>	<b>OSHA-PEL</b>	<b>ACGIH-TLV</b>	<b>LD<sub>50</sub></b>
Water	7732-18-5	60-100	Not applicable	Not applicable	14,500 mg/kg (oral, rat)
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	0-1	Not applicable	Not applicable	625 mg/kg (oral, rat)
Alkyl dimethyl ethyl benzyl ammonium chloride	683956-79-6	0-1	Not applicable	Not applicable	625 mg/kg (oral, rat)

## SECTION III – HAZARDS IDENTIFICATION

**Route of Entry:** Eye, skin contact, inhalation, and ingestion.

**Potential Health Effects:**

**Eye Contact:** May cause slight to mild irritation.

**Skin Contact:** May cause slight to mild irritation.

**Inhalation:** May cause respiratory irritation.

**Ingestion:** May cause vomiting, headache and medical problems.

**Chronic Effects/Carcinogenicity:**

**Carcinogenicity:** No ingredients listed by IARC 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 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:** 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:** Oxides of carbon.

**Means of Extinction:** Treat for surrounding materials.

**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. Product is 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.

## SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

**Gloves:** If prolonged/repeated contact can occur, 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

<b>Boiling Point (deg C):</b> 98	<b>Specific Gravity (H<sub>2</sub>O =1):</b> 1.000	<b>Evaporation Rate (Water=1):</b> Similar
<b>% Volatile (Wt%):</b> >50	<b>Solubility in water:</b> Soluble	<b>pH (as supplied):</b> 6.50 - 7.50
<b>Physical State:</b> Liquid	<b>Viscosity:</b> Water thin	
<b>Appearance/Odor:</b> Clear, no odor		

## 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 LD<sub>50</sub> of the product is 14,000 mg/kg (oral, rat).

## SECTION XII – ECOLOGICAL INFORMATION

**Biodegradability:** All 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.

## 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:** D2B

**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulation 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 these 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:** May 1, 2003    **Prepared by:** Technical Services Group    **Telephone:** (416) 440-4212

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).