

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

Product Identifier used on the label: Enviro-Solutions 64 Neutral Disinfectant

Other means of Identification: ES64

Recommended use of the chemical and restrictions on use: For professional use only. Use only as directed on label.

Manufacturer/Supplier:  
Charlotte Products Ltd.  
Address:  
2080 Fisher Dr.  
Peterborough, On K9J 6X6

Telephone: 705-740-2880  
Fax: 705-745-1239

24 Hr. Emergency Tel. #: Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International)

### SECTION 2 - HAZARDS IDENTIFICATION

Classification of the chemical:

Skin Corrosion/Irritation 1  
Eye Damage/Irritation 1

Label elements:

Signal Word: Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P264 Wash exposed areas thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P310 Immediately call a poison center or doctor/physician  
P321 Specific treatment (see section 4 of SDS)  
P363 Wash contaminated clothing before reuse  
P405 Store locked up

## Hazard pictogram(s)



Other hazards not otherwise classified: None Known

Unknown Acute Toxicity: 0.5%

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Didecyl dimethyl ammonium chloride	7173-51-5	1-5
Alcohols, C9-11, ethoxylated	68439-46-3	1-5
Ethanol	64-17-5	0.1-1
Ethylenediaminetetraacetic acid	60-00-4	0.1-1
Fragrance		0.1-1
Sodium Hydroxide	1310-73-2	0.1-1

\*\* If the chemical name/CAS # is "proprietary" and/or the weight % is shown as a range, this information had been withheld as a trade secret.

**SECTION 4 - FIRST-AID MEASURES**

## Description of first aid measures:

**If swallowed:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

**If on skin (or hair):** Immediately take off all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention.

**If inhaled:** Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.

**Most important symptoms and effects, both acute and delayed:** Causes severe skin burns and eye damage.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically, probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5 - FIRE-FIGHTING MEASURES**

## Extinguishing media:

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Not determined

**Special hazards arising from the substance or mixture:** None known

Flammability classification: Not flammable

Hazardous combustion products: Carbon oxides, oxides of phosphorus other unidentified organic compounds.

Special protective equipment and precautions for firefighters:

**Protective equipment for fire-fighters:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

**Special fire-fighting procedures:** Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Methods and material for containment and cleaning up:** Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

**Special spill response procedures:** In case of a transportation accident, contact Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International). If a spill/release in the US in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

## SECTION 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep out of reach of children.

**Incompatible materials:** Oxidizing agents. Do not mix with other chemicals or cleaners

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:		ACGIH TLV		OSHA PEL	
Chemical Name	CAS #	TWA	STEL	PEL	STEL
Didecyl dimethyl ammonium chloride	7173-51-5				
Alcohols, C9-11, ethoxylated	68439-46-3				
Ethanol	64-17-5		1000 ppm	1000 ppm	
Ethylenediaminetetraacetic acid	60-00-4				
Fragrance					

Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup>			
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**Exposure controls:**

**Ventilation and engineering measures:** Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

**Respiratory protection:** Not required with normal use. If airborne concentrations are above the permissible exposure limit or irritation occurs, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

**Skin protection:** Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

**Eye face protection:** Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

**Other protective equipment:** Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

**General hygiene considerations:** Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear green liquid

**Odor:** Fruity

**Odor threshold:** No applicable information available

**pH:** 7.0-8.5

**Melting/Freezing point:** No applicable information available

**Initial boiling point and boiling range:** 100 °C

**Flash point:** None to boiling

**Flashpoint (Method):** No applicable information available

**Evaporation rate (BuAe = 1):** Similar to water

**Flammability (solid, gas):** Not flammable

**Lower flammable limit (% by vol.):** Not Flammable

**Upper flammable limit (% by vol.):** Not Flammable

**Vapor pressure:** No applicable information available

**Vapor density:** No applicable information available

**Relative density:** No applicable information available

**Solubility in water:** Soluble

**Other solubility(ies):** No applicable information available

**Partition coefficient:** No applicable information available

**Auto Ignition temperature:** No applicable information available

**Decomposition temperature:** No applicable information available

**Viscosity:** Water thin.

**Volatile organic Compounds (%VOC's):** No applicable information available

**Other physical/chemical comments:** No applicable information available

## **SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity:** Not normally reactive

**Chemical stability:** Stable

**Possibility of hazardous reactions:** No hazardous polymerization

**Conditions to avoid:** Keep out of reach of children. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.

**Incompatible materials:** Fluorine, strong oxidizing or reducing agents, bases, metals, sulfur trioxide, phosphorus pentoxide

**Hazardous decomposition products:** None known. Refer to 'Hazardous Combustion Products' in Section 5

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure:**

**Routes of entry - inhalation:** Avoid breathing vapors or mists

**Routes of entry - skin & eye:** Avoid contact with skin or eyes

**Routes of entry - Ingestion:** Do not taste or swallow

### **Potential Health Effects:**

**Signs and symptoms of short term (acute) exposure:**

*Symptoms:* Please see section 4 of this SDS sheet for symptoms.

**Potential Chronic Health Effects:**

**Mutagenicity:** Not expected to be mutagenic in humans.

**Carcinogenicity:** No applicable information available

**Reproductive effects:** No applicable information available

Sensitization to material: No applicable information available

Specific target organ effects: No data available to indicate product or components will have specific target organ effects

Medical conditions aggravated by overexposure: Pre-existing skin, eye or respiratory conditions

Toxicological data:

See the following table for individual ingredient acute toxicity data.

Chemical name	CAS #	LD <sub>50</sub>	LD <sub>50</sub>	LC <sub>50</sub>
		(Oral, rat)	(Dermal, Rabbit)	(4hr, Inhal., rat)
Didecyl dimethyl ammonium chloride	7173-51-5	329 mg/kg	> 1000 mg/kg	
Alcohols, C9-11, ethoxylated	68439-46-3	> 2000 mg/kg	> 2000 mg/kg	
Ethanol	64-17-5	7060 mg/kg		
Ethylenediaminetetraacetic acid	60-00-4	2580 mg/kg		
Fragrance				
Sodium Hydroxide	1310-73-2	135 mg/kg		

\*All empty cells no applicable information available

Other important toxicological hazards: None reported.

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No applicable information available.

Persistence and degradability: No applicable information available

Bioaccumulation potential: No applicable information available.

Mobility in soil: No applicable information available.

Other Adverse Environmental effects: No applicable information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste UN defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## SECTION 14 - TRANSPORTATION INFORMATION

Special Shipping Information: Keep from freezing  
T.D.G. Classification: Not regulated under T.D.G.  
D.O.T. Classification: Not regulated under D.O.T.

## SECTION 15 - REGULATORY INFORMATION

### Occupational Health and Safety Regulations:

**WHMIS 1988 Class:** Product is registered under the Food and Drug Act

**US Federal Regulation:** This product is a U.S. EPA registered pesticide

**OSHA & WHMIS:** SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS 2015 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 40CFR 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 16 - OTHER INFORMATION

### Legend:

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstract Services

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1980

**CFR:** Code of Federal Regulations

**CSA:** Canadian Standards Association

**DOT:** Department of Transportation

**ECOTOX:** U.S. EPA Ecotoxicology Database

**EINECS:** European Inventory of Existing Commercial chemical Substances

**EPA:** Environmental Protection Agency

**HSDB:** Hazardous Substances Data Bank

**IARC:** International Agency for Research on Cancer

**IUCLID:** International Uniform Chemical Information Database

**LC:** Lethal Concentration

**LD:** Lethal Dose

**NIOSH:** National Institute of Occupational Safety and Health

**NTP:** National Toxicology Program

**OECD:** Organization for Economic Co operation and Development

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible exposure limit

**RCRA:** Resource Conservation and Recovery Act

**RTECS:** Registry of Toxic Effects of Chemical Substances

**SARA:** Superfund Amendments and Reauthorization Act

**SDS:** Safety Data Sheet Material Safety Data Sheet

**STEL:** Short Term Exposure Limit

**TOG:** Canadian Transportation of Dangerous Goods Act & Regulations

**TLV:** Threshold Limit Values

**TWA:** Time Weighted Average

**WHMIS:** Workplace Hazardous Materials Identification System

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### 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 this supplier, it is assumed that users of this material have been fully trained accordingly to the mandatory requirements of GHS. 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 within this form.

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