

**SAFETY DATA SHEET****SECTION 1 - IDENTIFICATION**

**Product identifier used on the label:** Enviro-Solutions 64H Neutral Disinfectant Cleaner

**Other means of Identification:** ES64H (DIN)

**Recommended use of the chemical and restrictions on use:** For professional use only.

**Manufacturer/Supplier:**

Charlotte Products Ltd.

**Address:**

2060 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:**

Specific target organ toxicity (Single Exposure) 2

Acute Toxicity Oral 4

Skin Corrosion/Irritation 1

Eye Damage/Irritation 1

**Label elements:**

**Signal Word:** Danger

**Hazard statement(s)**

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H371	May cause damage to organs

**Precautionary statement(s)**

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash exposed areas thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+312	IF SWALLOWED: Call a poison center or doctor/physician if you feel unwell
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
P309+311	IF exposed or you feel unwell: Call a poison center or doctor/physician
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
P501	Dispose of contents/container in accordance with local regulation

#### Hazard pictogram(s)



**Other hazards not otherwise classified:** None Known

**Unknown Acute Toxicity:** 0.0025%

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name, Common Name & Synonyms:	CAS #	Concentration %
Octyl decyl dimethyl ammonium chloride	32426-11-2	1-3
Alkyl (C <sub>12-16</sub> ) dimethyl benzyl ammonium chloride	68424-85-1	1-3
Tetrasodium EDTA	64-02-8	0.1-1
Dioctyl dimethyl ammonium chloride	5538-94-3	0.1-1
Didecyl dimethyl ammonium chloride	7173-51-5	0.1-1
Ethanol	64-17-5	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. Take container, label, drug identification number with you when you seek medical attention.

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

**If inhaled:** Remove the 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. Causes serious eye damage. May cause damage to organs

**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 and 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 the 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 the 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 groundwater systems. 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).

## 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
Octyl decyl dimethyl ammonium chloride	32426-11-2				
Alkyl (C <sub>12-16</sub> ) dimethyl benzyl ammonium chloride	68424-85-1				
Tetrasodium EDTA	64-02-8				
Dioctyl dimethyl ammonium chloride	5538-94-3				
Didecyl dimethyl ammonium chloride	7173-51-5				
Ethanol	64-17-5	1000 ppm	1000 ppm		

### 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:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Skin protection:** Wear appropriate chemical resistant gloves. 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:** 6-7

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

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

**Flash point:** No applicable information available

**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:** ~1.004

**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:** No applicable information available

**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 it 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)
Octyl decyl dimethyl ammonium chloride	32426-11-2	50-500 mg/kg	>2000 mg/kg	0.07 mg/L
Alkyl (C <sub>12-16</sub> ) dimethyl benzyl ammonium chloride	68424-85-1	426 mg/kg	>2000 mg/kg	>0.054 mg/L
Tetrasodium EDTA	64-02-8	10 g/kg		
Dioctyl dimethyl ammonium chloride	5538-94-3	1025 mg/kg	>2000 mg/kg	0.07 mg/L
Didecyl dimethyl ammonium chloride	7173-51-5	84 mg/kg	>2000 mg/kg	0.07 mg/L
Ethanol	64-17-5	7060 mg/kg		124.7 mg/L

\*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

Do not contaminate water, food, or feed by storage or disposal

**Waste Disposal Method:** Observe all applicable Federal/Provincial/State regulations and Local/Municipal ordinances regarding disposal of pesticide wastes.

**Pesticide Storage:** Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency.

**Container Disposal:** Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations.

**Rinsing Instructions:** Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

## 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

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### SARA 313

This product does not contain listed substances above the "de minimis" level

### SARA 311/312 Hazard Categories

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** No

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

## SECTION 16 - OTHER INFORMATION

### Legend:

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

**CAS:** Chemical Abstract Services

**CFR:** Code of Federal Regulations

**DOT:** Department of Transportation

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

**LC:** Lethal Concentration

**LD:** Lethal Dose

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

**NTP:** National Toxicology Program

**OSHA:** Occupational Safety and Health Administration

**PEL:** Permissible exposure limit

**RCRA:** Resource Conservation and Recovery Act

**SARA:** Superfund Amendments and Reauthorization Act

**SDS:** Safety Data Sheet

**STEL:** Short Term Exposure Limit

**TWA:** Time Weighted Average

**WHMIS:** Workplace Hazardous Materials Identification System

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### DISCLAIMER

Information for this 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 according to the mandatory requirements of GHS. No warranty, expressed or implied, is made and the 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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