



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Neutral Disinfectant
(EPA Reg. No. 1839-167-68138)(DIN: 02375117)

Product Code: ES256H

Product Use: Disinfectant

Manufacturer/Supplier: Charlotte Products Ltd.

Address: 2060 Fisher Drive
Peterborough, ON K9J 8N4

Telephone: (705) 745-3070

HMIS Hazard Rating		
HEALTH	3	0 – Insignificant
FLAMMABILITY	2	1 – Slight
REACTIVITY	0	2 – Moderate
PERSONAL PROTECTION	B	3 – High
		4 – Extreme

Emergency Phone: CANUTEC (613) 996-6666

SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	WT%	ACGIH-TLV	LD ₅₀	LC ₅₀
Water	7732-18-5	60-100	Not applicable	90,000 mg/kg (Oral, Rat)	NA
Alkyl(50% C ₁₄ , 40% C ₁₂ , 10% C ₁₆) dimethyl benzyl ammonium chloride	68424-85-1	5-10	Not applicable	450 mg/kg (Oral, Rat)	NA
Octyldecyl dimethyl ammonium chloride	68424-95-3	5-10	Not applicable	450 mg/kg (Oral, Rat)	NA
Diocetyl dimethyl ammonium chloride	5538-94-3	1-5	Not applicable	450 mg/kg (Oral, Rat)	NA
Didecyl dimethyl ammonium chloride	7173-51-5	1-5	Not applicable	450 mg/kg (Oral, Rat)	NA
Alcohol ethoxylate	34398-01-1	1-5	Not applicable	1,378 mg/kg (Oral, Rat)	NA
Tetrasodium ethylenediaminetetraacetate	64-02-8	1-5	Not applicable	1,658 mg/kg (Oral, Rat)	NA
Ethanol	64-17-5	1-5	1,000 ppm	7,060 mg/kg (Oral, Rat)	20,000 mg/L 10 Hours (Rat)
Citric Acid	77-92-9	0.1-1	Not applicable	3,000 mg/kg (Oral, Rat)	NA
Fragrance	Mixture	0-0.1	Not applicable	NA	NA
Dye	Mixture	0-0.1	Not applicable	NA	NA

SECTION III – HAZARDS IDENTIFICATION

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

Effects of Acute Exposure:

Eye Contact: May cause irreversible eye damage.

Skin Contact: Can cause skin burns.

Inhalation: Inhalation of vapors or mist of the product may be irritating to the respiratory system.

Ingestion: Harmful if swallowed.

Effects of Chronic Exposure: See Section 11.

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately. Obtain medical attention and take along these instructions.

Skin Contact: For skin contact flush with large amounts of water. If irritation persists get medical attention. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Call a physician or Poison Control Center immediately. Give one or two glasses of water if patient is alert and able to swallow. Seek immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

SECTION IV – FIRST AID MEASURES

SECTION V – FIRE FIGHTING MEASURES

Flammability: Not flammable. **Flash Point (deg C, PMCC):** 54.4
LEL: Not applicable. **UEL:** Not applicable. **Auto-Ignition Temperature:** None
Hazardous Combustion Products: May include ammonia, oxides of carbon and nitrogen.
Means of Extinction: Water mist (fog), dry chemical, carbon dioxide, or foam.
Special Fire Hazards: Firefighters should wear self-contained breathing apparatus.
Explosion Data – Sensitivity to Mechanical Impact: NA.
Explosion Data – Sensitivity to Static Discharge: NA.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Wear appropriate protective equipment and clothing during clean-up.
Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. **Large Spills:** Dike far ahead of liquid spill for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

SECTION VII – HANDLING AND STORAGE

Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Store in a closed container. Store in a cool, dry, well-ventilated area away from incompatible materials. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: Use rubber gloves.
Eye protection: Use safety glasses when direct contact may occur.
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

Appearance/Odor: Clear blue; Lemon.	Physical State: Liquid
Boiling Point (°C): >93.3	Freezing Point (°C): NE
Specific Gravity (H₂O=1): 1.02	VOC (g/L): 28
Evaporation Rate (Water=1): Estimated slower than ethyl ether	pH (as supplied): 7.30
Coefficient of Water/Oil Distribution: NE	Viscosity: Water thin.
Vapor Pressure: NA	Solubility in Water: Soluble
	Vapor Density: Heavier than air. Odor Threshold: NE

SECTION X – STABILITY AND REACTIVITY

Conditions for Chemical Instability: Stable.
Incompatibility Materials: Strong oxidizing agents and strong alkali.
Conditions of reactivity: NE
Hazardous Decomposition Products: Ammonia, oxides of carbon and nitrogen.

SECTION XI – TOXICOLOGICAL INFORMATION

LD₅₀ (Calculated): Not established for this product. **LC₅₀:** Not established for this product.
This product may cause irritation to the eyes or skin upon prolonged contact.
Conditions Aggravated by Exposure: None known.
Sensitization to Product: None known.
Carcinogenicity: Ethanol as listed by IARC and ACGIH.
Teratogenicity, Mutagenicity, Reproductive Effects: None known.

Toxicologically Synergistic Products: None known.

SECTION XII – ECOLOGICAL INFORMATION

Biodegradability: Not established for this product.
Aquatic Acute Toxicity: Not established for this product.

SECTION XIII – DISPOSAL CONSIDERATIONS

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

SECTION XIV - TRANSPORTATION

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 XV – REGULATORY INFORMATION

Occupational Health and Safety Regulations:
WHMIS Class: Product is registered under the Food and Drug Act
US Federal Regulation: This product is a U.S. EPA registered pesticide.
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 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 XVI – OTHER INFORMATION

Date: Aug 8, 2014
Prepared by: Technical Services Group **Telephone:** (705) 745-3070

NA: Not Available NE: Not Established

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).