

MATERIAL SAFETY DATA SHEET

State Chemical Division – State Industrial Products 3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ECOLUTION DISINFECTANT** 24-Hour Emergency CHEMTREC Number: 800-424-9300

Product Description: A broad-spectrum disinfectant. MSDS Number: 115454

EPA Registration Number: 61178-1-70799 EPA Establishment Number: 70799-OH-2

2. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredients

	CAS Number	Weight	ACGIH	OSHA
Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	68391-01-5	2.37%	NE	NE
Dimethyl Benzyl Ammonium Chloride				
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	2.37%	NE	NE

Hazardous Ingredients

	CAS Number	Weight	ACGIH	OSHA
Ethylenediamine Tetraacetic Acid	64-02-8	< 2.0%	2 mg/m3	2 mg/m3
Ethoxylated Alcohols	127087-87-0 or 34398-01-1	< 5.0%	NE	NE

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Corrosive. Causes eye and skin damage. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS Eye Contact: Causes eye irritation and damage. Skin Contact: Causes skin irritation and damage. Inhalation: May cause respiratory irritation. Solvent vapors or mists of product may cause irritation to mucous membrane. Ingestion: Harmful if swallowed. May cause nausea, vomiting, diarrhea or abdominal pain.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

Flashpoint: None. Nonflammable. Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA Flammable Properties: None expected. Extinguishing Media: Use an extinguishing media appropriate for surrounding fire. Fire Fighting Instructions: Wear a self-contained breathing apparatus with full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Ventilate area. Use absorbent and place in compatible chemical container for disposal. Small spills can be flushed with large amounts of water. Large Spills: Ventilate area. Wear appropriate protective clothing. Halt spill at source, dike and contain spill. Dispose of in accordance with Federal, State and Local Regulations.

7. HANDLING AND STORAGE

Handling: This product is for industrial use only. Avoid creasing or impacting of sidewalls. Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Empty product containers may contain product residue. Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated, cool, dry area. Store in an upright position. Do not reuse empty containers. Store in cool, dry place. Do not contaminate water, food or feed by storage disposal. Keep from freezing. Spilled material is slippery.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits. Personal Protective Equipment: Respiratory: If workplace exposure limit is exceeded, a NIOSH/MSHA approved air supply respirator is advised in the absence of environmental control. Eye: Wear approved safety glasses or goggles with unperforated sideshields or faceshield. Skin: Wear chemically impervious gloves. Wear long sleeves and long pants. Other: An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Water-white. Odor: Pungent. When diluted 1:64 there is no odor. Physical State: Liquid. pH: Concentrate: 11.75; When diluted 1:64: 10.75 Vapor Pressure: 22.3 mm Hg Vapor Density: 0.02 lb/ft3 Boiling Point: 212°F Freezing/Melting Point: NA Solubility in Water: Completely miscible. Specific Gravity: 1.0390 VOC Content: 0% Evaporation Rate (Butyl Acetate=1): 0.40

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous Polymerization: Will not occur. Conditions to Avoid: None expected. Incompatibility: None expected. Hazardous Decomposition Products: None expected.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredients listed as a carcinogen in quantities greater than or equal to 0.1%

Ingredients

	CAS Number	LD50	LC50
Alkyl (60% C14, 30% C16, 5% C12, 5% C18)	68391-01-5	250 mg/kg (rat oral)	3400 mg/kg (rabbit)
Dimethyl Benzyl Ammonium Chloride			
Alkyl (68% C12, 32% C14)	68956-79-6	3400 mg/kg (rabbit oral)	86 mg/l/1 hr (rat)
Ethylenediamine Tetraacetic Acid	64-02-8	3030 mg/kg (rat oral)	> 100 mg/L
Ethoxylated Alcohols	127087-87-0	NE	NE
	or 34398-01-1		

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Do not reuse empty containers. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray or mixture or resale is a violation of Federal law. Triple rinse containers, puncture and dispose of in a sanitary landfill or offer to a re-conditioner for recycling. Incinerate or burn if allowed by State and Local authorities. Follow all Federal, State and Local Regulations regarding waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data: Not Regulated. Canadian TDG: Not available for sale in Canada.

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDL.

Proposition 65: Raw materials used in this product have identified the opportunity for the presence of very low levels of the following California Proposition 65 chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (75-21-8), 1,4-Dioxane (123-91-1), Acetaldehyde (75-07-0), Formaldehyde (50-00-0). We have tested a representative sample of this product for the presence of these chemicals and have found none to be present at above analytical detection limits.

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372).

HMIS Rating: HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0 PPE = B

WHMIS Rating: Not available for sale in Canada.

16. OTHER INFORMATION

NA = Not Available or Not Applicable NE = Not Established

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data is not to be taken as a warranty or representation for which the company assumes legal responsibility. The data is offered solely for your consideration, investigation, and verification. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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Completed By: Regulatory Affairs Specialist