

1630013, 1630014

2. **Composition / Information on Ingredients**

**Chemical Characterization** : Quaternary ammonium disinfectant/detergent

**Hazardous Components**

	Wt %	Index, R/S Phrases
Ethyl Alcohol	< 1%	F, R11, S7-16
Dual Quaternary Ammonium Comp. n-alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride n-alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	1 - 5 %	R21,22,34, S 26,36,37,39

3. **Hazard Identification**

Hazard Designation: Caution, may cause eye and skin damage.

Information pertaining to particular dangers for man and environment: Causes severe eye and skin damage. Large amounts or undiluted material may interfere with secondary wastewater treatment facilities.

Classification is in line with BC directive 1999/45/EC: Not Applicable (N/A)

4. **First-Aid Measures**

After Inhalation: Get to fresh air, if irritation persists, consult a physician

After Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persists, consult a physician

After Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician

After Swallowing: Do not induce vomiting. Drink water to dilute and contact a physician.

5. **Fire-Fighting Measures**

**Flammability: No**      **Flash Point: > 93 °C (> 200 °F)**      **LEL: Not Established**      **UEL: Not Established**

Extinguishing Media: Water, CO<sub>2</sub>, dry chemical or foam

Unsuitable Extinguishing Media: None Known

Protective Equipment: Wear NIOSH approved self-contained breathing respirator in positive pressure mode and chemical protective clothing.

6. **Accidental Release Measures**

Personal Precautions: Avoid eye contact by wearing safety goggles, avoid skin contact by wearing rubber gloves.

Environmental Precautions: Do not contaminate food or feed with this product. Keep container closed and upright when not in use.

Methods of Cleaning Up: Use absorbent material such as sand or clay, and place in drums for disposal. Do not allow large amounts of undiluted material into sewer system because of its aquatic toxicity and potential damage to sewer treatment facilities.

7. **Handling and Storage**

Precautions for Safe Handling: Always wear gloves and eye protection. Local exhaust adequate; mechanical ventilation helpful.

Keep container closed when not in use.

Storage: Keep out of reach of children.. Keep container closed.

8. **Exposure Controls/Personal Protection**

Components with recommended limits for the work place

CAS No.	Description	Wt%	Type / Value
64-17-5	Ethyl Alcohol	< 1 %	OSHA PEL 1000 ppm
	Dual Quaternary Ammonium Comp.	1 - 5 %	N.D.

Engineering Controls: Local Exhaust Adequate; mechanical ventilation helpful.

Work/Hygenic Protection: Wash hands and equipment after use.

Hand/Skin Protection: Wear Protective Gloves

Respiratory Protection: None Needed

Eye Protection: Wear Safety Goggles

**9. Physical And Chemical Properties**

Appearance: Purple Liquid

Boiling Point : 100 °C (212 °F)

Flammability: No

Vapor Pressure: 22.3 mmHg (@ 25 C)

pH: Conc, 11 - 12

Odor: Slightly Pungent

Flash Point: &gt; 93 °C (&gt; 200 °F)

Autoflammability: No

Explosive Properties: N.K.

Viscosity: N.D.

Solubility : Infinitely soluble in water

Method: Setaflash

Density: 1.04 g/cc (25°C )

Explosive Limits in Air: N.K.

Method: N.A.

**10. Stability and Reactivity**

Chemical Stability: Stable

Materials to avoid: None Known

Conditions to avoid: None Known

Hazardous Decomposition Products: None Known

**11. Toxicological Information**

Acute Toxicity: N.A.

Primary Effects to Skin: Slight irritant

Primary Effects to Eyes: Can produce severe and irreversible damage in concentrate form. Non-irritating when at use dilution.

Primary Effects to Respiratory System: N.K.

Sensitization: Not a skin sensitizer when tested by the Buehler method on Guinea Pigs

Additional Toxicological Info: LD50 (oral): 5g/kg – Albino Rats, Dermal LD50 2.0 g/kg Rabbit

**12. Ecological Information**

General Information : N.D.

Classification of Water endangerment : N.K.

**13. Disposal Considerations**

Product: Pesticide wastes are acutely hazardous. Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

**14. Transportation Information**

DOT Shipping Name:

(Disinfectant, Deodorant n.o.s)

Sea Transport IMDG/GGV Sea

Class: N.A.

Air Transport ICAO-TI and IATA-DGR

Class: N.A.

DOT Hazard Class:

Not Regulated

UN. No.: N.A.

UN. No.: N.A.

UN-No.

N.A.

EmS-No: N.A. MFGA-No: N.A.

**15. Regulatory Information**

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

SARA 311/312 Hazard Categories: None

SARA 302 Extremely Hazardous Substances: None

SARA 313 Toxic Chemicals

Chemical Name

Ethyl Alcohol

CAS-No.

64-17-5

Weight %

&lt; 1 %

Classification According to EEC Guidelines:

Classification According to VBF:

Canadian Regulations require the inclusion of the following statements under "Regulatory Information";

"This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations."

**16. Other Information**

Revision Summary : Changed to Company Format and Updated Address 10/22/03. 3/23/07 – Biannual Review.

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Ultronics Inc., however, makes no representations as to the completeness of security of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Ultronics Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.