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 ALDEN LEEDS, INC.                      PRODUCT CODE # 2025                      MATERIAL  
 55 JACOBUS AVE.                      PRODUCT NAME: ALGAESTROY                      SAFETY DATA  
 S. KEARNY, NJ 07032                                           SHEET  
 973-589-3544                                           2/7/08  
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**SECTION I - IDENTIFICATION**

**SYNONYMS:** n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) Dimethyl Benzyl Ammonium Chlorides-49.8%  
 dialkyl (60%C14, 30%C16, 5%C12, 5%C18)Methyl Benzyl Ammonium Chlorides - 0.2%  
**CHEMICAL FAMILY:** Quaternary Ammonium Compounds  
**CHEMICAL FORMULA:** [R<sub>1</sub>-N(CH<sub>3</sub>)<sub>2</sub>CH<sub>2</sub>C<sub>6</sub>H<sub>5</sub>]<sup>+</sup> Cl<sup>-</sup>  
**TRADE NAME:** Nuclo, Ortex, or private label Algaestroy - 50% Algaecide  
**DESCRIPTION:** Blue liquid having a Benzaldehyde odor.  
**CAS NO.** 68391-01-5 / 73049-75-9  
**HMIS HAZARD RATINGS:** Health Hazard: 3                      Fire Hazard: 1                      Reactivity: 0  
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**SECTION II - PHYSICAL DATA**

**Boiling Point:** N/A                      **Freezing Point:** N/A  
**Percent Volatile (by wt.):** N/A                      **Evaporation Rate Butyl Acetate = 1:** N/A  
**Solubility In Water:** Soluble                      **Vapor Pressure:** Approx. 24mmHg  
**Specific Gravity: (H2O=1)** 0.98                      **pH:** 6-8  
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**SECTION III - HAZARDOUS INGREDIENTS**

	% wt.	TWA/TLV
Alkyl Dimethyl Benzyl Ammonium Chloride	49.8%	N/A
Dialkyl Methyl Benzyl Ammonium Chloride	.2%	N/A

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flash Point:** 200°F PMCC                      **Auto Ignition Temp.:** N/A  
**Flammable Limits in Air % By Volume:** N/A  
**Extinguishing Media:** Dry Chemical, Water, CO<sub>2</sub>, Foam.  
**Special Fire Fighting Procedures:** Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self contained breathing apparatus.  
**Unusual Fire Explosion Hazards:** None  
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**SECTION V -HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE:**  
**Inhalation:** Irritation of mucous membrane can be caused by solvent  
**Eye:** Corrosive. Severe eye damage can result from direct contact.  
**Skin:** Severe Irritation  
**Ingestion:** May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.  
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**SECTION VI - EMERGENCY AND FIRST AID PROCEDURE**

**INHALATION:** Remove patient to fresh air.  
**EYE:** Immediately flush with plenty of water for at least 15 minutes. Call a physician.  
**SKIN:** Flush skin with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before reuse.  
**INGESTION:** Promptly drink a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.  
**\*Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

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**SECTION VII - TOXICOLOGY**

**Oral LD50:** 735 mg/kg for males and females combine   **Eye Irritation:** Corrosive

**Acute Dermal:** greater than 3350 mg/kg   **Skin Irritation:** Corrosive, Severe Irritant

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**CHEMICAL NAME:**  
Dimethyl Benzyl Ammonium Chlorides -  
Methyl Benzyl Ammonium Chlorides

**TRADE NAME:** Nuclio, Ortex, or Private Label  
Algaestroy - 50%, Algaecide

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### SECTION VIII - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** N/A

**Incompatibility (materials to avoid):** Strong oxidizers or reducing agents.

**Hazardous Decomposition Products:** Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

**Hazardous Polymerization:** Will not occur.

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### SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES

**Steps to take if material leaks or spills:** Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.

**Waste disposal method:** Incinerate. Must comply with all Federal, State and Local regulations.

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### SECTION X - SPECIAL PROTECTION INFORMATION

**Ventilation:** Mechanical

**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.

**Protective Gloves:** Rubber or Neoprene

**Eye Protection:** Splash-proof safety goggles

**Other Equipment:** Impervious apron, eyewash facility, emergency shower, face shield.

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### SECTION XI - SPECIAL PRECAUTIONS DATA

**Handling and Storage:** Keep from freezing. Store in original container.

**Other:** None.

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### SECTION XII - TRANSPORTATION INFORMATION

This material is not regulated as a DOT hazardous material. For all transportation accidents, call **CHEMTREC** at 800-424-9300.

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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EMERGENCY PHONE : CHEMTREC 800-424-9300