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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 1/7/11

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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: [R₁-N(CH₃)₂CH₂C₆H₅]⁺ Cl⁻
TRADE NAME: Nuclio, 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, CO₂, 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