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 PHOENIX PRODUCTS COMPANY
 55 Container Drive
 Terryville, CT. 06786
 860-589-7502
 PRODUCT NAME:
 STANDARD 5% ALGAECIDE
 MATERIAL
 SAFETY DATA
 SHEET
 11/01/01

SECTION I - IDENTIFICATION

SYNONYMS: n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) Dimethyl Benzyl Ammonium Chlorides-4.98%
 Dialkyl (60%C14, 30%C16, 5%C12, 5%C18)Methyl Benzyl Ammonium Chlorides - 0.02%
CHEMICAL FAMILY: Quaternary Ammonium Compounds
CHEMICAL FORMULA: [R₁-N(CH₃)₂CH₂C₆H₅]⁺ Cl⁻
TRADE NAME: Standard 5%, private label 5% Algaecide
DESCRIPTION: Beige liquid having a Bezaldehyde odor.
CAS NO. 68391-01-5 / 73049-75-9
HMIS HAZARD RATINGS: Health Hazard: 3 Fire Hazard: 1 Reactivity: 0

SECTION II - PHYSICAL DATA

Boiling Point: N/A **pH:** 6-8
% Volatile by weight: N/A **Evaporation Rate Butyl Acetate = 1:** N/A
Solubility In Water: Soluble **Vapor Pressure (mm Hg):** ~ 24
Specific Gravity (H₂O=1): N/A

SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	% wt.	TWA/TLV
Alkyl Dimethyl Benzyl Ammonium Chloride	4.98%	N/A
Dialkyl Methyl Benzyl Ammonium Chloride	0.02%	N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Autoignition 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 a NIOSH approved self contained breathing apparatus.
Unusual Fire Explosion Hazards: None

SECTION V - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE:
Inhalation: Irritation of mucous membrane can be caused by solvent
Eye: Corrosive. Eye damage can result from direct contact.
Skin: Irritation may occur.
Ingestion: May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breath, circulatory shock, convulsions.

SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: N/A
SKIN: Remove contaminated clothing. Flush skin for 15 minutes water. Wash clothing before reuse.
EYE: Immediately flush with plenty of water for at least 15 minutes. Consult a physician.
INGESTION: Promptly drink a large quantity of egg whites, gelatin solution or, if 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.

SECTION VII - 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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CHEMICAL NAME:
Dimethyl Benzyl Ammonium Chlorides -
Methyl Benzyl Ammonium Chlorides

TRADE NAME: Standard 5% or Private Label

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SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Wear respirator. LARGE SPILLS: should be contained; the material then moved into containers to be disposed of. SMALL SPILLS: may be mopped up, flushed away with water or absorbed on absorbent material and incinerated.

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

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SECTION IX - SPECIAL PROTECTION DATA

Ventilation: Mechanical

Eye Protection: Splash-proof safety goggles

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

Protective Gloves: Rubber or Neoprene

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

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SECTION X - SPECIAL PRECAUTIONS DATA

Handling and storage: Keep from freezing. Store in original container.

Other: None.

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SECTION XI - TRANSPORTATION INFORMATION

This material is not a hazardous material and is not regulated by the D.O.T.

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

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