
PHOENIX PRODUCTS CO. 55 Container Drive Terryville, CT 06786 (860) 589-7502	* PRODUCT NAME: STD 10% Algaecide	MATERIAL SAFETY DATA SHEET 11/1/01
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SECTION I - IDENTIFICATION

SYNONYMS: n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) Dimethyl Benzyl Ammonium Chlorides-9.96% dialkyl (60%C14, 30%C16, 5%C12, 5%C18)Methyl Benzyl Ammonium Chlorides - 0.04%

CHEMICAL FAMILY: Quaternary Ammonium Compounds

CHEMICAL FORMULA: [R₁-N(CH₃)₂CH₂C₆H₅]⁺ Cl⁻

TRADE NAME: STD 10% Algaecide

DESCRIPTION: Biege liquid having a Bezaldehyde 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	pH: 6-8
Solubility In water: Soluble	Evaporation Rate Butyl Acetate = 1: N/A
Specific Gravity: (H2O=1) N/A	Vapor Pressure: Approx. 24mmHg

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SECTION III - HAZARDOUS INGREDIENTS

MATERIAL	% wt.	TWA/TLV
Alkyl Dimethyl Benzyl Ammonium Chloride	9.96%	N/A
Dialkyl Methyl Benzyl Ammonium Chloride	0.04%	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:

Routes of Entry: Skin Contact, Inhalation, Eye Contact.

Inhalation: Solvent may cause irritation of mucous membrane.

Skin Contact: Severe Irritation

Eye Contact: Corrosive. Severe eye damage can result from direct contact.

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 PROCEDURES

INHALATION: Remove patient to fresh air.

SKIN: In case of contact, flush skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse.

EYE: Immediately flush with plenty of water for at least 15. Consult a physician.

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.

*** SECTION VII - TOXICOLOGY**

Oral LD50: N/A

Eye Irritation: Corrosive

Skin Irritation: Severe Irritant

Acute Dermal: N/A

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

TRADE NAME: STD 10% 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.

*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 type: 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.

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

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THE PHOENIX PRODUCTS COMPANY
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