

I - PRODUCT IDENTIFICATION

Product: Algaecide 10

Chemical Family: Quaternary Ammonium Compound

Formula: $[R_1-N(CH_3)_2CH_2C_6H_5]^+Cl^- [R_2-N(CH_3)_2CH_2C_6H_4C_2H_5]^+Cl^-$ Chemical Name: 9.96% Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₅) dimethyl
benzylammonium chloride
0.04% Dialkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) methyl
benzylammonium chloride

CAS Number: 68391-01-5

73049-75-9

Synonyms:

COMPANY IDENTIFICATIONAllChem Performance Products
6010 NW First Place
Gainesville, FL 32607
Tel:352-378-9696**24 HR EMERGENCY TELEPHONE NUMBER**

INFOTRAC (Transportation): (800)535-5053

II – COMPOSITION, INFORMATION ON INGREDIENTS

Chemical or Common Name	Exposure Limits	
	Weight	TWA/TLV
Alkyl dimethyl benzyl ammonium chloride	9.96%	ND
Dialkyl methyl benzyl ammonium chloride	0.04%	ND
Isopropanol C.A.S. No. 67-63-0	<3% max	

III – HAZARDS IDENTIFICATION

Clear, colorless to straw colored liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

Signs & Symptoms of Exposure:

Skin Contact: Caused corrosive burns. Brief exposures may cause irritation to the skin.

Eye Contact: Severe eye damage can result from direct contact

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: Irritation of mucous membrane can be caused by solvent vapors or mist of product. Symptoms may include headaches, dizziness, and drowsiness.

IV – FIRST AID MEASURES

- Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Immediately seek medical attention.
- Skin Contact: Take off contaminated clothing. Immediately flush skin with plenty of water for at least 15 minutes. Call a poison control center or physician for treatment advice.
- Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

V – FIRE FIGHTING MEASURES

Flash Point:> 200°F PMCC

Flammable Limits:

LEL(%):ND

UEL(%):ND

Auto Ignition Temp: ND

Extinguishing Media: Dry Chemical, Water Fog, CO₂, and Foam.

Special Fire-fighting Procedures: Cool fire exposed containers with spray, Must wear MSHA/NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Explosive mixtures can form with air. Combustion products are toxic. Solvents vapors can travel to an ignition source and flash back.

VI- ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Remove ignition sources. Wear respirator. Small spills absorbed with dry earth, sand or other non-combustible absorbent material and transferred to containers. Use clean non-sparking tools to collect absorbed material. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

VII – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage: Avoid contact with skin and eyes.

Keep from freezing. Store in original container, and store in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition.

VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

Ventilation:

Mechanical Exhaust: Explosion Proof

Protective Gloves: Rubber or Neoprene

Eye Protection: Splash proof safety goggles

Other Protective Clothing or Equipment: Impervious apron, eyewash facility, emergency shower, faceshield.

Work/ Hygienic Practices:

IX – PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: > 200°F PMCC

Boiling Point: ND

Vapor Pressure (mm Hg): approx. 24

Solubility in Water: Soluble

Appearance and odor: Colorless to light straw in color. Benzaldehyde odor

Specific Gravity (H₂O=1): 0.98

Percent volatile by weight: 84%

pH: 6-8

X – STABILITY AND REACTIVITY

Stability: Unstable Stable

Conditions to Avoid: Keep away from heat and strong oxidizing agents.

Incompatibility: Strong oxidizers or reducing agents

Conditions to Avoid: Mixing with strong oxidizers or reducing agents

Hazardous Decomposition or By-Products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

Hazardous Polymerization: May Occur Will Not Occur

XI- TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD₅₀ – ND

Acute Dermal – ND

Primary Skin – Corrosive

Primary Eye - Corrosive

Carcinogenicity: ND

XII – ECOLOGICAL INFORMATION

Aquatic Toxicity: Very toxic to aquatic organisms

Avian Toxicity:

ENVIRONMENTAL HAZARDS (PR Notice 93-10)

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: When discarded or disposed of, this substance is a hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number D001. The discarding or disposal of this material must be done at a properly permitted facility. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state and local regulations.

XIV - TRANSPORTATION DATA

U.S. Department of Transportation - 49 CFR

Not Regulated for Transport

XV - REGULATORY INFORMATION

This chemical appears on the following lists:

- (X) SARA Sections 311/312, 313 **SARA Title 313** – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS No.	Maximum Concentration	Comment
Isopropanol	67-63-0	10	Isopropanol listing only for strong acid process but no supplier notification required.

(X) TSCA

XVI - ADDITIONAL INFORMATION

This MSDS replaces the 07/12/2005 version. Any changes in information are as follows:
In Section II, III, IV, V, VI, VII, IX, X, XI, XII, XIII, XIV, XV

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL.

Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section XV of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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