

## I - PRODUCT IDENTIFICATION

Product: Maintenance Algaecide  
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: 49.8% Alkyl (60%C<sub>14</sub>, 30%C<sub>16</sub>, 5%C<sub>12</sub>, 5%C<sub>18</sub>) dimethyl benzylammonium chloride  
0.2% Dialkyl (60%C<sub>14</sub>, 30%C<sub>16</sub>, 5%C<sub>12</sub>, 5%C<sub>18</sub>) methyl benzylammonium chloride  
CAS Number: 68391-01-5; 73049-75-9

### COMPANY IDENTIFICATION

AllChem Performance Products, LP  
6010 NW First Place  
Gainesville, FL 32607  
Tel:352-378-9696

### DISTRIBUTED BY:

WINDO  
Suite 200 Post Place / West 721 Boone  
Spokane, WA 99201

### 24 HR EMERGENCY TELEPHONE NUMBER

INFOTRAC (Transportation): (800)535-5053

## II – COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical or Common Name</u>	<u>Weight</u>	<u>TWATLV</u>
Alkyl dimethyl benzyl ammonium chloride	49.8%	ND
Dialkyl methyl benzyl ammonium chloride	0.2%	ND
Isopropanol C.A.S. No. 67-63-0	5-10%	400 ppm

## III – HAZARDS IDENTIFICATION

Primary Route(s) of Entry:

Ingestion: ( )  
Inhalation: (X)  
Skin Contact: (X)  
Eye Contact: (X)

Primary Health Hazards (Acute and Chronic):

Carcinogenity Listings:

OSHA: NO  
NTP: NO  
IARC: NO

Signs & Symptoms of Exposure:

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.

Inhalation: Irritation of mucous membrane can be caused by solvent vapors or mists of product.

Skin Contact: Severe Irritation. Corrosive.

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

Medical Conditions Aggravated By Exposure:

## IV – FIRST AID MEASURES

Emergency and First Aid Procedures:

Ingestion: If swallowed drink promptly, 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.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before reuse.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

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## **V – FIRE FIGHTING MEASURES**

### **FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 120°F PMCC

Flammable Limits:

LEL:

UEL:

Extinguishing Media: Dry Chemical, Water Fog, 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 and Explosion Hazards: Explosive mixtures can form with air. Combustion products are toxic. Solvent 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 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.

## **VII – HANDLING AND STORAGE**

Precautions to Be Taken in Handling and Storage: Keep from freezing, store in original container.

## **VIII – EXPOSURE CONTROLS/ PERSONAL PROTECTION**

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

Ventilation: Local Exhaust: 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, face shield.

Work/ Hygienic Practices:

## **IX - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point @ 760 mm Hg): ND

Vapor Pressure (mm Hg): 24mmHg

Vapor Density (Air=1):

Solubility in Water: Soluble

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

Specific Gravity (H<sub>2</sub>O=1): 0.95

Percent volatile by weight: 50%

Melting Point:

Evaporation Rate Butyl Acetate = 1: ND

pH: 6-8

## **X – STABILITY AND REACTIVITY**

Stability:        () Unstable                    (X) Stable

Conditions to Avoid: N/A

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                                (X) Will Not Occur

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## XI- TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute Oral - LD<sub>50</sub>760mg/kg for males and females combined  
Acute Dermal - greater than 1700 mg/kg  
Primary Skin – Severe Irritant, Corrosive  
Primary Eye - Corrosive

Target Organ Toxicity:

Reproductive and Development Toxicity:

Carcinogenicity:

Mutagenicity:

## XI I- ECOLOGICAL INFORMATION

Aquatic Toxicity:

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: Incinerate. Make sure that all federal, state and local regulations are observed.

## XIV - TRANSPORTATION DATA

Please refer to applicable regulations or call company noted under Section I.

## XV - REGULATORY INFORMATION

**TASC** – is not subject to the TSCA Inventory rules for FIFRA uses.

**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.

## XVI - ADDITIONAL INFORMATION

This MSDS replaces the 05/11/2006 version. Any changes in information are as follows:Section XIV.

**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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