

# MATERIAL SAFETY DATA SHEET

## Regal Algaecide 50% Quat

1. Product And Company Identification			
<b>Supplier</b> Alliance Trading, Inc. 109 Northpark Blvd., 4th Floor Covington, LA 70433 United States  Telephone Number: (985) 892-5521 FAX Number: (985) 892-1657		<b>Manufacturer</b> Advantis Technologies, Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States  Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com	
<b>Issue Date:</b> 12/12/2005  <b>Product Name:</b> Algaecide 50% Quat <b>Chemical Name:</b> ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE <b>CAS Number:</b> Not Established <b>Chemical Family:</b> Quaternary Ammonium Compound <b>Chemical Formula:</b> Proprietary Mixture <b>MSDS Number:</b> 306			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE		68424-85-1	
ETHYL ALCOHOL		64-17-5	
Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			
3. Hazards Identification			
<b>Primary Routes(s) Of Entry</b> Skin Contact, Eye Contact, Inhalation			
<b>Eye Hazards</b> Corrosive. Severe eye damage can result from direct contact.			
<b>Skin Hazards</b> Severe Irritation. Corrosive.			
<b>Ingestion Hazards</b> 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.			
<b>Inhalation Hazards</b> Irritation of mucous membrane can be caused by solvent vapors or mists of product.			

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### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, immediately flush the eyes with plenty of water for at least 15 minutes. Consult Physician.

#### Skin

Rinse the affected area with tepid water for at least 15 minutes. Remove and wash clothing before reuse.

#### Ingestion

Give large quantities of Egg Whites, Gelatin solution or, if these are not available, large quantities of water. Avoid Alcohol. Get Medical attention.

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

#### Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

#### Note To Physician

Probable mucosal damage may contraindicate gastric lavage.

Evaluate Principal Route of Entry, Seek appropriate medical attention. Never give anything by mouth to an unconscious person.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

**Flash Point:** 130 °F

**Flash Point Method:** PMCC

#### 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.

#### Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

#### Fire Fighting Instructions

Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self contained breathing apparatus.

### 6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Avoid release to the environment. Do not flush to sewer.

### 7. Handling And Storage

#### Handling And Storage Precautions

Keep out of reach of children. Wash thoroughly after handling. Keep from freezing.

#### Handling Precautions

Keep away from heat and flame. Do not smoke or use matches or lighters during use, and until vapors are gone.

Avoid contact with eyes. Wash hands before eating, drinking, or smoking.

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### 7. Handling And Storage - Continued

#### Storage Precautions

Store in a cool dry place. Keep out of reach of children. Keep from freezing.

#### Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

Spilled product is slippery.

### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

mechanical. (Explosion Proof)

#### Eye/Face Protection

Splashproof Safety Goggles.

#### Skin Protection

Rubber or Neoprene Gloves.

#### Respiratory Protection

General room ventilation is normally adequate. For mist or vapor use wear NIOSH approved respirator.

#### Other/General Protection

Impervious apron, eyewash facility, emergency shower, faceshield.

#### Ingredient(s) - Exposure Limits

ETHYL ALCOHOL

ACGIH TLV-TWA 1000 ppm

OSHA PEL-TWA 1000 ppm

### 9. Physical And Chemical Properties

#### Appearance

Clear liquid

#### Odor

benzaldehyde odor

**Chemical Type:** Mixture

**Physical State:** Liquid

**Boiling Point:** ND °F

**Specific Gravity:** 0.96

**Percent Volitales:** 50%

**Vapor Pressure:** 44 mm Hg at 68F

**pH Factor:** 6-8

**Solubility:** soluble

**Viscosity:** Not established

**Evaporation Rate:** Not established

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

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### 10. Stability And Reactivity - Continued

#### **Conditions To Avoid (Stability)**

Mixing with strong oxidizers or reducing agents.

#### **Incompatible Materials**

Avoid contact with strong oxidizers or reducing agents.

#### **Hazardous Decomposition Products**

Hydrogen chloride fumes, oxides of Carbon and Nitrogen

### 11. Toxicological Information

#### **Eye Effects**

Corrosive to eyes

#### **Skin Effects**

Corrosive to skin. Severe irritant.

Acute Dermal LD50: greater than 2000 mg/kg

#### **Acute Oral Effects**

Acute Oral LD50: 597 mg/kg

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Refer to applicable local, state and federal regulations as well as industry standards. Incineration preferred. Empty container may contain vapor or product residue. Observe all safeguards until container is cleaned, reconditioned or destroyed.

### 14. Transport Information

#### **Proper Shipping Name**

Corrosive liquid, n.o.s. (Quaternary Ammonium Compound)

#### **Hazard Class**

8, PGII (<= 1L Consumer Commodity ORM-D)

#### **DOT Identification Number**

UN1760

### 15. Regulatory Information

#### **Ingredient(s) - State Regulations**

ETHYL ALCOHOL

New Jersey - Workplace Hazard

New Jersey - Special Hazard

Pennsylvania - Workplace Hazard


California - Proposition 65

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

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<b>NFPA</b>	<b>HMIS</b>								
	<table border="1"><tr><td>HEALTH</td><td>3</td></tr><tr><td>FLAMMABILITY</td><td>2</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>D</td></tr></table>	HEALTH	3	FLAMMABILITY	2	REACTIVITY	0	PERSONAL PROTECTION	D
HEALTH	3								
FLAMMABILITY	2								
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PERSONAL PROTECTION	D								

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 02/19/2002

#### Disclaimer

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