



Applied Biochemists Wintertrine

<b>1. Product And Company Identification</b>	
<b>Supplier</b> Applied Biochemists 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>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>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300
<p>Issue Date: 09/14/2004</p> <p>Product Name: Applied Biochemists Wintertrine</p> <p>Chemical Name: Polymeric Quaternary Ammonium Compound</p> <p>CAS Number: 31075-24-8</p> <p>Chemical Family: Algicidal Formulation</p> <p>Chemical Formula: Proprietary Mixture</p> <p>MSDS Number: 58</p> <p><b>Synonyms</b>          Algaecide</p>	

<b>2. Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number		Percent Of Total Weight
Polydimethyldiallylammoniumchloride	26062-79-3		
Poly(oxyethylene (dimethyliminio) Ethylene (dimethyliminio)ethylene dichloride)			
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).			

<b>3. Hazards Identification</b>
<b>Primary Routes(s) Of Entry</b> Skin Contact, Eye Contact, Inhalation
<b>Eye Hazards</b> Causes eye irritation.
<b>Skin Hazards</b> Causes skin irritation.
<b>Ingestion Hazards</b> Harmful if swallowed. AVOID ALCOHOL
<b>Inhalation Hazards</b> Causes respiratory tract irritation.

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### 3. Hazards Identification - Continued

#### Signs And Symptoms

Irritation of Eyes and Respiratory Passages

#### Conditions Aggravated By Exposure

None Known

### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.

#### Skin

Rinse the affected area with tepid water for at least 15 minutes.

#### Ingestion

Call a physician or a poison control center immediately. If victim is fully conscious, give one or two cups of water or milk to drink. If swallowed, do not induce vomiting unless directed to do so by medical personnel. AVOID ALCOHOL

#### Inhalation

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

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: N/A °F

Flammability Class: NOT FLAMMABLE

#### Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

### 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.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling And Storage Precautions

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

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### 7. Handling And Storage - Continued

#### Handling Precautions

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

#### Storage Precautions

Store in a cool dry place. Keep out of reach of children. Do not contaminate water, food or feed by storage, disposal or cleaning equipment.

#### Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.  
Do not contaminate Water Food or Feed by storage or cleaning of equipment.

### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Local exhaust acceptable. Special exhaust not required

#### Eye/Face Protection

Safety glasses with side shields or goggles recommended.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General room ventilation is normally adequate.

### 9. Physical And Chemical Properties

#### Appearance

Tan colored liquid

#### Odor

Moderate

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** N/A °F

**Boiling Point:** 212 °F

**Specific Gravity:** 1.0-1.2

**Percent Volatiles:** Not established

**Vapor Pressure:** Not established

**pH Factor:** 6-8

**Solubility:** soluble

**Viscosity:** Not established

**Evaporation Rate:** Not established

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Conditions To Avoid (Stability)

Contact with other chemicals

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### 10. Stability And Reactivity - Continued

#### Incompatible Materials

Anionic Polymers

#### Hazardous Decomposition Products

Carbon Monoxide

### 11. Toxicological Information

No Data Available...

### Ecological (Pictograms)



### 12. Ecological Information

#### Acute Toxicity - Fish And Invertebrates

This product is Toxic to fish. Do not discharge into lakes streams or ponds.

### 13. Disposal Considerations

Refer to applicable local, state and federal regulations as well as industry standards.

### 14. Transport Information

#### Proper Shipping Name

Environmentally Hazardous Substance, Liquid, n.o.s.,  
(Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]), Marine Pollutant

#### Hazard Class

9, PGIII

#### DOT Identification Number

UN3082

#### Additional Shipping Paper Description

North American Emergency Response Guide No. 171  
Not regulated by DOT for ground or air shipments [see exception for marine pollutants 49CFR171.4(c)].

### 15. Regulatory Information

#### State Regulations

California Proposition 65: This product had been reviewed for Prop 65 components and the following applies:  
Warning: This product may contain substance(s) which are known to the State of California to cause cancer or reproductive harm. (Contents may contain trace levels of (<10 ppm) of Dichloroethyl ether, 1,4-Dioxane and (<20 ppb) N-nitrosodimethylamine). (Trace contaminants from Poly{oxyethylene (dimethyliminio) Ethylene (dimethyliminio) ethylene dichloride})

#### Canadian Regulatory Information


Class D, Div 2b- Poisonous or Infectious Material: other toxic effects

### WHMIS - Canada (Pictograms)



# MATERIAL SAFETY DATA SHEET

## Applied Biochemists Wintertrine

<b>NFPA</b>	<b>HMIS</b>								
	<table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>B</td></tr></table>	HEALTH	1	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	1								
REACTIVITY	1								
PERSONAL PROTECTION	B								

### 16. Other Information

Revision/Preparer Information  
MSDS Preparer: JHW3  
This MSDS Superceeds A Previous MSDS Dated: 07/26/2000

### Disclaimer

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