

MATERIAL SAFETY DATA SHEET

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Blue Wave Ultimate Algaecide

1. Product And Company Identification	
Supplier Blue Wave 1745 Wallace St. Charles, IL 60174 United States Telephone Number: (630) 587-6540 FAX Number: (630) 587-6299	Manufacturer 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
Issue Date: 09/13/2004	
Product Name: Ultimate Algaecide	
Chemical Name: Poly(oxyethylene(Dimethyliminio)Ethylene(Dimethyliminio)Ethylene Dichloride)	
CAS Number: 31075-24-8	
Chemical Family: Polymeric Quaternary Ammonium Compound	
Chemical Formula: Proprietary Mixture	
MSDS Number: 53	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
Poly(oxyethylene(Dimethyliminio)Ethylene(Dimethyliminio)Ethylene Dichloride)	31075-24-8		
Polydimethylallylammonium Chloride	26062-79-3		

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
Primary Routes(s) Of Entry Skin Contact, Eye Contact, Inhalation
Eye Hazards Causes eye irritation.
Skin Hazards Causes skin irritation.
Ingestion Hazards Harmful if swallowed.
Inhalation Hazards Causes respiratory tract irritation.
Signs And Symptoms Irritation of Eyes and Respiratory Passages
Conditions Aggravated By Exposure None Known

Blue Wave Ultimate Algaecide

First Aid (Pictograms)



4. First Aid Measures

Eye

Remove the victim from the source of contamination or exposure to nearest eyewash or other source of clean water.

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.

Inhalation

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

Note To Physician

No Specific Antidote is known. Treat Symptoms.
Evaluate Principal Route of Entry

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

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.

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.

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.

Blue Wave Ultimate Algaecide

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

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

11. Toxicological Information

Acute Oral Effects

Oral LD50 (rat): 2.5 g/kg

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

No Data Available...

Blue Wave Ultimate Algaecide

14. Transport Information - Continued

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[oxyethelene(diamethlyimino)ethelene(diethylimino) ethylene dichloride])

Canadian Regulatory Information

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

<p>NFPA</p> 	<p>HMIS</p> <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">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

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