

Quantum Hy-Floc

1. Product And Company Identification			
<u>Supplier</u> Quantum 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com	<u>Manufacturer</u> Robarb 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com		
<u>Supplier Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911	<u>Manufacturer Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911		
<p>Issue Date: 05/13/2009</p> <p>Product Name: Quantum Hy-Floc</p> <p>Chemical Family: Inorganic salt solution blended with organic polymer</p> <p>Chemical Formula: Proprietary</p> <p>MSDS Number: 348</p>			
2. Composition/Information On Ingredients			
	Ingredient Name	CAS Number	
ALUMINUM CHLORIDE		1327-41-9	
Polydimethyldiallylammonium Chloride		26062-79-3	
<p>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).</p>			
EMERGENCY OVERVIEW			
Warning: Keep Out of Reach of Children. Irritating to skin and eyes.			
3. Hazards Identification			
<u>Primary Routes(s) Of Entry</u> Eye Contact, Skin Contact <u>Eye Hazards</u> Irritant, moderate eye. <u>Skin Hazards</u> Irritating to skin. <u>Ingestion Hazards</u> May be harmful if swallowed. <u>Inhalation Hazards</u> May be harmful if inhaled.			

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3. Hazards Identification - Continued

Signs And Symptoms

Irritant to eyes and skin

First Aid (Pictograms)



4. First Aid Measures

Eye

Hold eyelids open and rinse slowly with water for 15-20 minutes. Remove contact lenses if present after 5 minutes then continue rinsing eye. Call poison control center or doctor for treatment advice.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

Call a poison control center immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless directed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. Have product container with you when calling a poison control center or doctor, or when going for treatment. IN CASE OF EMERGENCY CALL: 1-800-654-6911.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Flammability Class: non-flammable

Fire And Explosion Hazards

Product may build up and rupture a sealed container

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire. Use water to cool fire-exposed containers.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Avoid release to the environment. Neutralize spill area with soda ash or lime.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place.

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7. Handling And Storage - Continued

Storage Precautions

Avoid contact with Alkalis or Oxidizing agents. Keep this product in its original, tightly closed container when not in use. Do not mix with any other pool chemical.

Work/Hygienic Practices

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

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

None normally required.

9. Physical And Chemical Properties

Appearance

Blue liquid

Odor

None

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 220 °F

Specific Gravity: 1.127-1.135

Molecular Weight: NOT DETERMINED

Percent Volatiles: NOT DETERMINED

Packing Density: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

Vapor Density: NOT DETERMINED

pH Factor: 2-3

Solubility: Soluble in water

Evaporation Rate: NOT DETERMINED

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials

Avoid contact with oxidizers and alkalis

Hazardous Decomposition Products

May decompose to Hydrochloric Acid in a fire

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10. Stability And Reactivity - Continued

Conditions To Avoid (Polymerization)

Excessive heat

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Use entire contents, then triple rinse and offer for recycling, or dispose in accordance with local, state, and federal regulations.

14. Transport Information

Proper Shipping Name

Corrosive Liquid, n.o.s (Aluminum Chloride)

Hazard Class

8, PGIII (<=4L Consumer Commodity ORM-D)

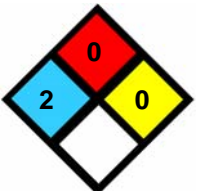
DOT Identification Number

UN1760

15. Regulatory Information

No Data Available...

NFPA



HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW/PB

This MSDS Superceeds A Previous MSDS Dated: 02/13/2006

Disclaimer

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