



MATERIAL SAFETY DATA SHEET

Robarb Down & Out

1. Product And Company Identification			
Supplier 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		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	
Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300		Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300	
Issue Date: 06/19/2006 Product Name: Robarb Down & Out CAS Number: Not Established Chemical Family: Inorganic salt solution blended with organic polymer Chemical Formula: Proprietary MSDS Number: 348			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
ALUMINUM CHLORIDE		1327-41-9	
Polydimethyldiallylammonium 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 Eye Contact, Skin Contact			
Eye Hazards Irritant, moderate eye.			
Skin Hazards May cause skin reaction.			
Ingestion Hazards May be harmful if swallowed.			
Inhalation Hazards May be harmful if inhaled.			
Signs And Symptoms Irritant to eyes and skin			

MATERIAL SAFETY DATA SHEET

Robarb Down & Out

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

Wash affected areas with soap and water.

Ingestion

DO NOT INDUCE VOMITING. Contact a physician or poison control.

Inhalation

If inhaled, remove to fresh air.

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.

Storage Precautions

Avoid contact with Alkalis or Oxidizing agents

Work/Hygienic Practices

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

MATERIAL SAFETY DATA SHEET

Robarb Down & Out

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 Volitales: 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

Conditions To Avoid (Polymerization)

Excessive heat

11. Toxicological Information

No Data Available...

MATERIAL SAFETY DATA SHEET

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12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government 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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Robarb