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# MATERIAL SAFETY DATA SHEET

## **Robarb Down & Out**

1. Product And Company Identification			
1400 Bluegrass Lakes Parkway	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	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	
Polydimethyldiallyammonium 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

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## **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 presended by this material.

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## **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...

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## **Robarb Down & Out**

#### 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**

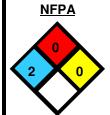
8, PGIII (<=4L Consumer Commodity ORM-D)

#### **DOT Identification Number**

UN1760

#### 15. Regulatory Information

No Data Available...





#### 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

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