



# MATERIAL SAFETY DATA SHEET

## Robarb Metal Master

### 1. Product And Company Identification

<b>Supplier</b> <b>Robarb</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b> Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com	<b>Manufacturer</b> <b>Advantis Technologies, Inc.</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b> Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
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<b>Supplier Emergency Contacts &amp; Phone Number</b> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>
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Issue Date: 02/13/2006

Product Name: Robarb Metal Master  
 Chemical Name: Spa Metal Remover  
 CAS Number: Not Established  
 Chemical Family: Chelating Agent  
 Chemical Formula: Proprietary Mixture  
 MSDS Number: 96

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
SODIUMHYDROXIDE	1310-73-2	
Tetrasodium Salt of Ethylenediamine Tetraacetic Acid	64-02-8	

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).

\*\*See exception for material corrosive to aluminum 49CFR 173.154(d) Not regulated for ground shipment

### 3. Hazards Identification

**Primary Routes(s) Of Entry**  
 Skin Contact

**Eye Hazards**  
 Causes irreversible eye damage.

**Skin Hazards**  
 Product will cause severe skin irritation.

**Ingestion Hazards**  
 Harmful if ingested.

**Inhalation Hazards**  
 None normally associated with this product

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### 3. Hazards Identification - Continued

#### Epidemiology

No data available

#### Signs And Symptoms

Irritant to eyes and skin

### 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 contaminated area with flowing water. Remove contaminated clothing and wash before reuse. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

#### Ingestion

DO NOT INDUCE VOMITING. Give victim several glasses of water. Call a physician or a poison control center immediately.

#### Inhalation

If inhaled, remove to fresh air. Consult a physician.

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

Flash Point: n/a °F

#### Fire And Explosion Hazards

May react with some metals to form flammable hydrogen gas in contact with Aluminum or Zinc

#### Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

#### Fire Fighting Instructions

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

### 6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flush spill area with water. Use appropriate containers to avoid environmental contamination. Avoid release to the environment.

### 7. Handling And Storage

#### Handling And Storage Precautions

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

#### Handling Precautions

Wash thoroughly after handling.

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### 7. Handling And Storage - Continued

#### Storage Precautions

Keep away from heat. May react with Zinc and Aluminum.

#### 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.

#### Ingredient(s) - Exposure Limits

Tetrasodium Salt of Ethylenediamine Tetracetic Acid  
PEL-NOT ESTABLISHED  
TLV-NOT ESTABLISHED

### 9. Physical And Chemical Properties

#### Appearance

slightly viscous liquid.

#### Odor

amine

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 212 °F

Specific Gravity: 1.0-1.1

Percent Volitales: NOT DETERMINED

Packing Density: Not Determined

Vapor Pressure: Not Determined

Vapor Density: Not Determined

pH Factor: 11-12

Solubility: Miscible in water

Evaporation Rate: <1

### 10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

#### Conditions To Avoid (Stability)

High temperatures.

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### 10. Stability And Reactivity - Continued

#### Incompatible Materials

Avoid contact with strong acids, oxidizers, aluminum and zinc.

#### Hazardous Decomposition Products

May liberate Carbon dioxide, Carbon monoxide, ammonia, or other oxides of nitrogen.

### 11. Toxicological Information

No Data Available...

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Incineration recommended.

### 14. Transport Information

#### Proper Shipping Name

\*\*CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (tetrasodiummethelenediaminetetracetic acid, sodium hydroxide)

\*\*see exception for material corrosive to aluminum 49 CFR 173.154(d) Not regulated for ground shipments

#### Hazard Class

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

#### DOT Identification Number

UN3267

#### Additional Shipping Paper Description

North American Emergency Response Guide No. 153

Not regulated by DOT for ground shipments [see exception for material corrosive to steel/aluminum 49CFR 173.154(d)].

#### DOT (Pictograms)



### 15. Regulatory Information

No Data Available...

#### NFPA



#### HMIS

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	C

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 10/20/2000

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### **Disclaimer**

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**Robarb**

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