



MATERIAL SAFETY DATA SHEET

Robarb Metal Master

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
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Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300
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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 Volatiles: 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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