



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	
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: 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			

MATERIAL SAFETY DATA SHEET**Robarb Metal Master****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.

MATERIAL SAFETY DATA SHEET**Robarb Metal Master****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 Tetraacetic 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.

MATERIAL SAFETY DATA SHEET**Robarb Metal Master****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

MATERIAL SAFETY DATA SHEET

Robarb Metal Master

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

Robarb

Printed Using MSDS Generator™ 2000