PDF Compressor Pro



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

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

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

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	CAS	Percent Of
Name	Number	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).

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

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

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.

<u>Skin</u>

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 presended 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. (tetrasodiumethelenediaminetetraacetic 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

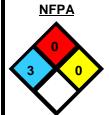
Not regulated by DOT for ground shipments [see exception for material corrosive to steel/aluminum 49CFR 173.154(d)].

DOT (Pictograms)



15. Regulatory Information

No Data Available...



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

PDF Compressor Pro

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