



MATERIAL SAFETY DATA SHEET

Robarb Alkalinity Up (Pool Specialties)

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: 02/28/2006 Product Name: Robarb Alkalinity Up (Pool Specialties) Chemical Name: Sodium Bicarbonate CAS Number: Not Established Chemical Family: Alkali Salt Chemical Formula: NaHCO ₃ MSDS Number: 48			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
SODIUMBICARBONATE		144-55-8	
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% of more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).			
3. Hazards Identification			
Eye Hazards Slightly irritating.			
Skin Hazards Slightly irritating.			
Ingestion Hazards Low acute oral toxicity. May cause nausea, vomiting, abdominal pain.			
Inhalation Hazards Low acute inhalation toxicity. May cause coughing, upper respiratory tract irritation.			
Chronic/Carcinogenicity Effects This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.			
Signs And Symptoms none known			

MATERIAL SAFETY DATA SHEET**Robarb Alkalinity Up (Pool Specialties)****First Aid (Pictograms)****4. First Aid Measures****Eye**

In case of contact, hold eyelids apart and immediately flush eyes with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Skin

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Ingestion

If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Inhalation

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

Note To Physician

All treatments should be based upon observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Fire Fighting (Pictograms)**5. Fire Fighting Measures**

Flash Point: N/A °F

Flammability Class: NOT FLAMMABLE

Fire And Explosion Hazards

Not combustible.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear. This material is used as a dry powder extinguishing agent for all classes of fires

6. Accidental Release Measures

Sweep up and place in appropriate closed container. Dispose of in accordance with federal, state, and local guidelines. Do not flush spills to drain.

MATERIAL SAFETY DATA SHEET**Robarb Alkalinity Up (Pool Specialties)****7. Handling And Storage****Handling And Storage Precautions**

Keep out of reach of children. Do not store with acids. Keep containers tightly closed. Store material in a cool and dry place.

Handling Precautions

Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts.

Storage Precautions

Keep away from acids. Store in a cool dry place.

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**

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves and suitable long sleeved clothing.

Respiratory Protection

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard: Air purifying (half mask/full face) respirator with cartridges/canister approved for use against dust, mists, and fumes.

9. Physical And Chemical Properties**Appearance**

White Powder Solid

Odor

Odorless

Chemical Type: Mixture

Physical State: Solid

Melting Point: Not Available °F

Boiling Point: Not Available °F

Molecular Weight: 84

Vapor Pressure: Not Available

Vapor Density: Not Available

pH Factor: 8.5 At a Concentration Of 1% SOLUTION IN WATER

Solubility: Soluble 9.5% wt/wt% at 20C (68F)

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

MATERIAL SAFETY DATA SHEET**Robarb Alkalinity Up (Pool Specialties)****10. Stability And Reactivity - Continued****Conditions To Avoid (Stability)**

Elevated temperatures, heat.

Incompatible Materials

Moisture, strong acids, strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon.

11. Toxicological Information**Eye Effects**

eye - eye irritation, 100 mg/30s, rabbit.

Mildly irritating.

Skin Effects

skin - skin irritation, 30 mg/3D-I, human

Mildly irritating. Standard Draize test.

Acute Oral Effects

LD50 mg/kg Rat >4.22g/kg

Chronic/Carcinogenicity

This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be "probable" or "suspected" human carcinogens.

Conditions Aggravated By Exposure

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin disease.

12. Ecological Information**Ecotoxicological Information**

No data found for product.

13. Disposal Considerations

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

14. Transport Information**Proper Shipping Name**

NOT REGULATED

Hazard Class

NOT REGULATED

DOT Identification Number

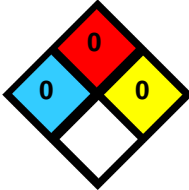
NONE

15. Regulatory Information**State Regulations**

This product does not contain any components that are regulated under California Proposition 65.

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NFPA	HMIS								
	<table border="1"><tr><td>HEALTH</td><td>0</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>1</td></tr></table>	HEALTH	0	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	1
HEALTH	0								
FLAMMABILITY	0								
REACTIVITY	0								
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16. Other Information

Revision/Preparer Information
MSDS Preparer: JHW
This MSDS Superceeds A Previous MSDS Dated: 07/26/2000

Disclaimer

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Robarb