



**MATERIAL SAFETY DATA SHEET**

**Robarb Power Blast**

**1. Product And Company Identification**

<p><b>Supplier</b>                  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</p>	<p><b>Manufacturer</b>                  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</p>
<p><b>Supplier Emergency Contacts &amp; Phone Number</b>                  CHEMTREC - DAY OR NIGHT: (800) 424-9300</p>	<p><b>Manufacturer Emergency Contacts &amp; Phone Number</b>                  CHEMTREC - DAY OR NIGHT: (800) 424-9300</p>

Issue Date: 02/28/2006

Product Name: Robarb Power Blast  
 Chemical Name: Calcium Hypochlorite  
 CAS Number: Not Established  
 Chemical Family: Oxidizer  
 Chemical Formula: Proprietary  
 MSDS Number: 99

**2. Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
CALCIUM CARBONATE	471-34-1	
CALCIUM CHLORATE	10137-74-3	
CALCIUM CHLORIDE	Not Establish	
CALCIUM CHLORIDE	10043-52-4	
CALCIUM HYDROXIDE	1305-62-0	
CALCIUM HYPOCHLORITE	7778-54-3	
SODIUM CHLORIDE	7647-14-5	

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).

**Hazards Identification (Pictograms)**



**3. Hazards Identification**

**Primary Routes(s) Of Entry**  
 Skin Contact, Eye Contact, Ingestion

**Eye Hazards**  
 Causes severe eye burns.

**MATERIAL SAFETY DATA SHEET****Robarb Power Blast****3. Hazards Identification - Continued****Skin Hazards**

Causes skin irritation.

**Ingestion Hazards**

If ingested, get immediate medical attention.

**Inhalation Hazards**

Causes respiratory tract irritation. May cause severe allergic respiratory reaction.

**Chronic/Carcinogenicity Effects**

Chronic exposure may cause  
impairment of lung function or lung damage  
secondary tissue destruction

**Signs And Symptoms**

Inhalation of dust or vapor from this product can be irritating to the nose, mouth, throat and lungs. In confined areas, mechanical adgitation can result in high levels of dust, and reaction with incompatable materials can result in high concentrations of chlorine vapor either of which may result in burns, wheezing, choking, chest pains, impairment of lung function and possible lung damage.

Severe eye irritation and/or burns can occur following eye exposure. Contact may cause impariment of vision and corneal damage.

Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged exposure may cause permanant damage.

**Conditions Aggravated By Exposure**

Asthma, respiratory, and cardiovascular disease

May be fatal if swallowed. Avoid breathing dust or fumes. Harmful if product is inhaled in high concentrations. Causes skin, eye digestive tract and respiratory burns.

**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**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. Remove contaminated clothing and shoes. Thoroughly clean shoes before reuse. Wash clothing before reuse.

**Ingestion**

DO NOT INDUCE VOMITING. If victim is fully conscious, drink large amounts of water. Call a physician or a poison control center immediately.

**Inhalation**

If inhaled, remove to fresh air. Call a physician or a poison control center immediately.

**MATERIAL SAFETY DATA SHEET****Robarb Power Blast****Fire Fighting (Pictograms)****5. Fire Fighting Measures**

Flash Point: N/A °F

**Fire And Explosion Hazards**

This product is chemically reactive with many substances. Any contamination of this product with other substances by spill or otherwise may result in a chemical reaction and fire. This product is a strong oxidizer which is capable of intensifying a fire once started.

**Extinguishing Media**

WATER ONLY. In case of fire, soak (flood) with water.

**DO NOT USE Dry Chemical OR OTHER EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS**

**Fire Fighting Instructions**

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

GRINDING OR INTENSIVE MIXING MAY GENERATE SUFFICIENT HEAT TO FUSE PRODUCT AND CAUSE IGNITION OF OXIDIZABLE MATERIAL PRESENT.

**6. Accidental Release Measures**

Clean up spill immediately. Flush spill area with water in compliance with State and Federal Regulations.

**Handling & Storage (Pictograms)****7. Handling And Storage****Handling And Storage Precautions**

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

**Handling Precautions**

Avoid breathing dust or vapor. Avoid contact with skin and clothing. Avoid contact with eyes.

**Storage Precautions**

Keep product tightly sealed in original containers. Store in a cool dry place. Store in a dry, well ventilated place. Keep away from combustible or flammable products. Keep packaging clean and free from contamination including other pool treatment products, acids, organic materials, nitrogen containing compounds, dry powder fire extinguisher (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials

Do not store at temperatures above 52C (125F) Storage above this temperature may result in rapid decomposition, evolution or chlorine gas and heat sufficient to ignite combustible materials.

**Work/Hygienic Practices**

Use safe chemical handling procedures suitable for the hazards presented by this material.

**MATERIAL SAFETY DATA SHEET****Robarb Power Blast****Protective Clothing (Pictograms)****8. Exposure Controls/Personal Protection****Engineering Controls**

Use with adequate general and local exhaust ventilation. Wear NIOSH approved respirator if dusts are created.

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Chemical-resistant gloves, impervious suit may be required.

**Respiratory Protection**

Use NIOSH/MSHA approved dust and mist respirator when applicable.

**Ingredient(s) - Exposure Limits**

CALCIUM CARBONATE

OSHA (PEL)

TWA 15 mg/cubic-meter (total dust)

5 mg/cubic-meter(respirable fraction)

ACGIH(TLV)

10 mg/cubic-meter

CALCIUM HYDROXIDE

ACGIH(TLV) 5 mg/cubic-meter

CALCIUM HYPOCHLORITE

3 mg/cubic meter(ceiling) as chlorine manufactures internal exposure limit

**9. Physical And Chemical Properties****Appearance**

White granules or powder

**Odor**

Chlorine

Chemical Type: Mixture

Physical State: Solid

Melting Point: DECOMPOSES °F

Boiling Point: DECOMPOSES °F

Specific Gravity: n/a

Molecular Weight: 143 (Active)

Percent Volitales: n/a

Packing Density: 0.8g/cc

Vapor Pressure: n/a

pH Factor: 10.4-10.8 At a Concentration Of 1% solution

Solubility: 18% @ 25C

Corrosive, Oxidizer

**10. Stability And Reactivity**

Stability: See comments

Hazardous Polymerization: Will not occur

**Conditions To Avoid (Stability)**

This product may be unstable at tempratures above 170C (338F)

**MATERIAL SAFETY DATA SHEET****Robarb Power Blast****10. Stability And Reactivity - Continued****Incompatible Materials**

Keep packaging clean and free from contamination including other pool treatment products , acids, organic materials, nitrogen containing compounds, dry powder fire extinguisher (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials

**Hazardous Decomposition Products**

Chlorine Gas

**Conditions To Avoid (Polymerization)**

Avoid temperatures above 125 F (52C) Prevent ingress of humidity and moisture into container. Always close the lid.

**11. Toxicological Information****Eye Effects**

Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

**Skin Effects**

Acute dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause permanent damage.

Chronic effect of skin exposure would be similar to those from single exposure for effects secondary to tissue destruction.

**Acute Oral Effects**

Irritation and/or burns to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Due to the corrosive nature of this product ingestion may be fatal.

**Acute Inhalation Effects**

Inhalation of dust or vapor from this product can be irritating to the nose mouth , throat and lungs. In confined areas mechanical agitation can result in high levels of dust and reaction with incompatible materials can result in high concentrations of chlorine vapor, either of which may result in shortness of breath, wheezing, choking, chest pains, impairment of lung function and possible lung damage.

**Conditions Aggravated By Exposure**

Asthma, respiratory and cardiovascular disease.

**12. Ecological Information****Toxicity - Aquatic And Terrestrial Plants**

Bluegill, 96 hr. LC50 0.088 mg/l (nominal, static)  
Rainbow trout, 96 hr. LC50: 0.16 mg/l (nominal, static)  
Daphnia magna, 48hr. LC50: 0.11 mg/l (nominal, static)

**Acute And Dietary Toxicity - Birds**

Bobwhite quail, dietary LC50:>5,000 ppm  
Mallard ducklings, dietary LC50:>5,000 ppm  
Bobwhite quail oral LD50:3474 mg/kg

**13. Disposal Considerations**

This product meets the criteria of a hazardous waste as defined under 40 CFR 261. It is subject to Land Disposal restriction under 40 CFR 268 and must be managed accordingly. Dispose in accordance with applicable federal, state and local government regulations.

# MATERIAL SAFETY DATA SHEET

## Robarb Power Blast

**14. Transport Information**

**Proper Shipping Name**  
RQ CALCIUM HYPOCHLORITE, HYDRATED MIXTURES


**Hazard Class**  
5.1,PGII (<1KG Consumer Commodity ORM-D)

**DOT Identification Number**  
UN2880

**15. Regulatory Information**

**U.S. Regulatory Information**  
This material is regulated as a DOT hazardous material. It is also regulated by FIFRA, USDA, and FDA. This substance is listed on TSCA.  
NSF Maximum Drinking Water Use Concentration 46mg/l as Calcium hypochlorite

**SARA Hazard Classes**  
Acute Health Hazard  
Fire Hazard  
Reactivity Hazard

<b>NFPA</b>	<b>HMIS</b>								
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**16. Other Information**

**Revision/Preparer Information**  
MSDS Preparer: JHW3  
This MSDS Superceeds A Previous MSDS Dated: 09/18/2000

**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**