



Ultima Clean and Refresh

1. Product And Company Identification

Supplier 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 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: 09/13/2004
Product Name: Ultima Clean and Refresh
Chemical Name: Acid surfactant cleaner
Chemical Family: Acid
Chemical Formula: Proprietary Mixture
MSDS Number: 326

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
CITRICACID	77-92-9	
SODIUMBISULFATE	7681-38-1	
SODIUMCHLORIDE	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).

EMERGENCY OVERVIEW

Corrosive to eyes skin and respiratory tract.

Hazards Identification (Pictograms)



3. Hazards Identification

Primary Routes(s) Of Entry
Skin Contact
Eye Hazards
Causes eye irritation.
Skin Hazards
May cause skin irritation.

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3. Hazards Identification - Continued

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

May cause respiratory tract irritation.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages

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 soap and plenty of water. Remove contaminated clothing and shoes.

Ingestion

DO NOT INDUCE VOMITING. Call a physician or a poison control center immediately. If victim is fully conscious, give one or two cups of water or milk to drink.

Inhalation

If breathing is difficult, give oxygen. If inhaled, remove to fresh air.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Fire And Explosion Hazards

At temperatures over 806F (430C), product will decompose generating oxides of sulfur.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions

Product readily dissolves in water to form a weak acid solution. If using water, wear protective equipment. No gases or toxic fumes are emitted from this reaction. However, if elevated temperatures (>806F) are reached, firefighters should wear self-contained breathing apparatus and full protective gear. Water can be used to cool and protect exposed material.

6. Accidental Release Measures

Clean up spill immediately. Neutralize spill area with soda ash or lime. Flush spill area with water. Use appropriate containers to avoid environmental contamination.

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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. Keep containers tightly closed.

Handling Precautions

Use only with adequate personal protection.

Storage Precautions

Store in a cool dry place.

Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material. Avoid contact with eyes. Solutions of this material are acidic and strongly irritating. Will attack most metals.

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.

9. Physical And Chemical Properties

Appearance

White Granular

Odor

Slightly Acidic

Chemical Type: Mixture

Physical State: Solid

Melting Point: n/a °F

Specific Gravity: 1.274

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

pH Factor: 2.0 At a Concentration Of 1% solution in water

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

MATERIAL SAFETY DATA SHEET

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10. Stability And Reactivity - Continued

Conditions To Avoid (Stability)

Do not store dry product where exposed to moist conditions.

Incompatible Materials

Oxidizers, Cyanides, Sulfides, Strong Alkaline or caustic material.

Hazardous Decomposition Products

Only if heated over 806F (430C), at which sulfur dioxide and sulfur trioxide are formed.

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.

14. Transport Information

Proper Shipping Name

NOT REGULATED

Hazard Class

NOT REGULATED

DOT Identification Number

NONE

15. Regulatory Information


Ingredient(s) - State Regulations

SODIUM BISULFATE

New Jersey - Workplace Hazard

New Jersey - Special Hazard

New York City - Hazardous Substance

NFPA	HMIS								
	<table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>B</td></tr></table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	1								
PERSONAL PROTECTION	B								

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 05/05/2004

Disclaimer

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MATERIAL SAFETY DATA SHEET

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Disclaimer - Continued

Advantis Technologies, Inc.