

MATERIAL SAFETY DATA SHEET

Citrus Cleaner

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	
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: 07/03/2002 Product Name: Citrus Cleaner Chemical Name: Citrus Cleaner CAS Number: Not Established MSDS Number: 282			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
D-LIMONENE	5989-27-5		
DIETHANOLAMINE	111-42-2		
DIETHYLENE GLYCOL MONOBUTYLETHER	112-34-5		
TETRASODIUM METHYLENEDIAMINETETRAACETICACID	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).			
EMERGENCY OVERVIEW			
Product is harmful if swallowed. Can cause irritation to the eyes, skin, and respiratory system.			
3. Hazards Identification			
Eye Hazards Product can cause irritation to the eyes.			
Skin Hazards Skin contact may cause irritation or redness. Contains a potential skin sensitizer. Prolonged or repeated exposure can cause drying, defatting, and dermatitis of the skin.			
Ingestion Hazards Ingestion may cause vomiting, headache, and other medical problems.			
Inhalation Hazards Inhalation can cause nose, throat, and respiratory tract irritation, coughing, and headache.			
4. First Aid Measures			
Eye Flush with water for at least 15 minutes. Seek medical attention.			

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4. First Aid Measures - Continued

Skin

Wash affected area with copious amounts of soap and water. If irritation persists, seek medical attention.

Ingestion

Seek medical attention immediately. Do not induce vomiting.

Inhalation

If symptoms are noticed, move to fresh air. If symptoms persist, seek medical attention.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: 123 °F 50 °C

Flammability Class: Combustible

Lower Explosive Limit: Not Determined

Upper Explosive Limit: Not Determined

Fire And Explosion Hazards

Combustible Liquid. Keep away from heat, sparks, and open flame. Guard against spontaneous combustion of improperly discarded cleaning rags. May form peroxides of unknown stability.

Extinguishing Media

Carbon Dioxide, foam, or dry chemical.

Fire Fighting Instructions

SCBA recommended. Smother to exclude air. Do not use water. Handle as an oil fire.

6. Accidental Release Measures

Use personal protective equipment. Small spills can be wiped up. For larger spills, absorb spill with vermiculite, sand, or other suitable material and collect for disposal. Do not hose spills down drains, sewers, or waterways. Move leaking containers to well ventilated area. Keep away from ignition sources and open flames.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions

Wear personal protective equipment. Avoid contact with skin, eyes, and clothes. Wash hands thoroughly after handling.

Storage Precautions

Keep container closed. Store away from heat sources and open flames.

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Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Use in well-ventilated areas.

Eye/Face Protection

Safety glasses with side shields (or goggles) recommended.

Skin Protection

Wear chemical impervious gloves.

9. Physical And Chemical Properties

Appearance

Orange Liquid

Odor

Citrus

Chemical Type: Mixture

Physical State: Liquid

Specific Gravity: 0.984

pH Factor: 9.7-9.9

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Avoid temperatures over 123F.

Incompatible Materials

Avoid contact with strong oxidizing agents and acidic agents including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

Hazardous Decomposition Products

Smoke may be acrid and fume irritating. Burning generates CO, CO₂, and smoke.

Conditions To Avoid (Polymerization)

Polymerization catalysts such as aluminum chloride and acidic clays.

11. Toxicological Information

No toxicological data exists for this product.

12. Ecological Information

Ecotoxicological Information

No ecotoxicological data exists for this product.

13. Disposal Considerations

Dispose of in accordance with local, state, and federal regulations.

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14. Transport Information

Proper Shipping Name

Flammable Liquids, N.O.S. (D-Limonene)

Hazard Class

3, PGIII (<5L Consumer Commodity ORM-D)

DOT Identification Number

UN1993

Additional Shipping Paper Description

North American Emergency Response Guide No. 128.

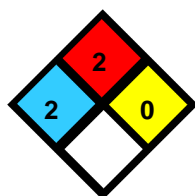
This material may be reclassified as a combustible liquid and is not regulated, via ground transportation, in containers less than 119 gallons [see 49 CFR 173.150(f)].

15. Regulatory Information

U.S. Regulatory Information

All components of this product are listed on the TSCA inventory.

NFPA



HMIS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

Disclaimer

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Advantis Technologies Inc.

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