



MATERIAL SAFETY DATA SHEET

Quantum Algigon C

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	Manufacturer Advantis Technologies Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959
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: 05/07/2004 EPA Reg #8959-2-58307 Product Name: Quantum Algigon C CAS Number: Not Established Chemical Family: Copper and Nitrogen compounds Chemical Formula: Proprietary Mixture MSDS Number: 60	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
CITRIC ACID	77-92-9		
COPPER CARBONATE	12069-69-1		
MONOETHANOLAMINE	141-43-5		
TRIETHANOLAMINE	102-71-6		
Copper Carbonate as dust or mist (cas#7440-50-8)			
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 contact, inhalation.
Eye Hazards Causes eye irritation.
Skin Hazards Causes skin irritation.
Ingestion Hazards Harmful if swallowed.

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3. Hazards Identification - Continued

Inhalation Hazards

Causes respiratory tract irritation.

Signs And Symptoms

Contact with skin and eyes may be irritating. Vapors or mist may cause irritation with pain, coughing and discomfort to eyes, nose, throat, and chest.

Conditions Aggravated By Exposure

None known.

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

Rinse the affected area with tepid water for at least 15 minutes.

Ingestion

Call a physician or a poison control center immediately.

Inhalation

If inhaled, remove to fresh air.

Evaluate principal route of entry, seek appropriate medical attention. Never give anything by mouth to an unconscious person.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Flammability Class: NOT FLAMMABLE

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.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flood with water.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Wash hands thoroughly after handling.

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7. Handling And Storage - Continued

Handling Precautions

Avoid contact with eyes. Wash hands before eating, drinking or smoking.

Storage Precautions

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

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

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

General room ventilation is normally adequate.

Ingredient(s) - Exposure Limits

TRIETHANOLAMINE

ACGIH TLV-TWA 5 mg/m³

9. Physical And Chemical Properties

Appearance

Blue viscous liquid.

Odor

Mild

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A °F

Boiling Point: 212 °F

Specific Gravity: 1.2

Percent Volatiles: Not established

Vapor Pressure: NOT DETERMINED

Vapor Density: >1

Solubility: Soluble in water

Viscosity: Not established

Evaporation Rate: <1

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10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions To Avoid (Stability)

Thermal decomposition may cause oxides of carbon and nitrogen avoid strong acids and nitrites.

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Incinerate in a furnace or flush small amount into sewer system <5 gallons. Refer to applicable local, state and federal regulations as well as industry standards.

14. Transport Information

Proper Shipping Name

CORROSIVE LIQUIDS, N.O.S. (Copper Triethanolamine Complex)

Hazard Class

8,PGIII (<=4L consumer Commodity ORM-D)

DOT Identification Number

UN1760

15. Regulatory Information

Ingredient(s) - State Regulations

TRIETHANOLAMINE

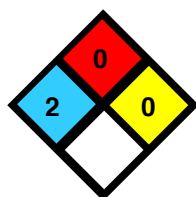
Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

Canadian Regulatory Information

Class D, Div 2b- Poisonous or Infectious Material: other toxic effects

NFPA



HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

This MSDS Superceeds A Previous MSDS Dated: 07/26/2000

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

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Disclaimer - Continued

suitability of the information for their particular purposes(s).

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