

MATERIAL SAFETY DATA SHEET

Date Issued: 07/14/2008

MSDS No: Robelle Algae Control

Date Revised: 09/11/2008

Revision No: 3

ROBELLE Algae Control

(FORMERLY ALGAE GONE)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Algae Control
GENERAL USE: Algaecide

2160

DISTRIBUTOR

Robelle Industries, Inc.
131 Tosca Dr.
Stoughton MA 02072
Product Stewardship: (781) 297-7422

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Primary routes of entry: skin, eyes, inhalation.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.

SKIN: Causes skin irritation.

INGESTION: Harmful if swallowed.

INHALATION: Causes respiratory tract irritation.

COMMENTS: Signs and Symptoms: Contact with skin and eyes may be irritating. Vapors or mists may cause irritation with pain, coughing and discomfort to eyes, nose, throat, and chest.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Copper,[u-[carbonate(2-)0:0]] Dihydroxydi-	7.41	012069-69-1	235-113-6
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	> 0.1	000077-92-9	201-069-9
Ethanol, 2-amino-	> 0.1	000141-43-5	205-483-3
Ethanol, 2, 2', 2''-nitrilotris	> 0.1	000102-71-6	203-049-8

4. FIRST AID MEASURES

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EYES: Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Call a physician immediately.

SKIN: Rinse with tepid water for at least 15 minutes.

INGESTION: Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. Wash hands thoroughly after handling. Avoid contact with eyes. Wash hands before eating, drinking or smoking.

STORAGE: Store in a cool dry place.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	TWA	[1]	[1]	[2]	[2]	NL	NL
	STEL					NL	NL
Ethanol, 2-amino-	TWA	3 ppm [3]	6 mg/m ³ [3]	3 ppm	7.5 mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	6 ppm	15 mg/m ³	NL ppm	NL mg/m ³
Footnotes: 1. 5 mg/m ³ (respirable dust) 2. Not established. Use TLV for Nuisance dusts of 5 mg/m ³ . 3. NL = Not Listed							

ENGINEERING CONTROLS: Local exhaust acceptable. Special exhaust not required.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or goggles.

SKIN: Chemical-resistant gloves.

RESPIRATORY: General room ventilation is normally adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild.

APPEARANCE: Blue viscous liquid.

pH: 9 to 10

VAPOR PRESSURE: Not Determined

VAPOR DENSITY: > 1

BOILING POINT: (212°F)

FLASHPOINT AND METHOD: Not Flammable

SPECIFIC GRAVITY: 1.200

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10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Thermal decomposition may cause oxides of carbon and nitrogen.

INCOMPATIBLE MATERIALS: Avoid strong acids and nitrates.

11. TOXICOLOGICAL INFORMATION

COMMENTS: None available.

12. ECOLOGICAL INFORMATION

COMMENTS: None available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid N.O.S. (Copper Triethanolamine Complex)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1760

PACKING GROUP: III

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 1 gallons.

15. REGULATORY INFORMATION

UNITED STATES

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Copper,[u-[carbonate(2-)0:0]] Dihydroxydi-	012069-69-1
1,2,3-propanetricarboxylic Acid, 2-hydroxy-	000077-92-9
Ethanol, 2-amino-	000141-43-5
Ethanol, 2, 2', 2''-nitrilotris	000102-71-6

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Ethanol, 2, 2', 2''-nitrilotris	Massachusetts Hazardous Substance

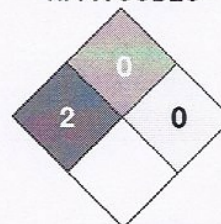
16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 3. This MSDS replaces the August 19, 2008 MSDS.

HMIS RATING

HEALTH:	2
FLAMMABILITY:	0
PHYSICAL HAZARD:	1
PERSONAL PROTECTION:	

NFPA CODES



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