

SAFETY DATA SHEET

WORKING COPY

Date Prepared : 05/01/2009
SDS No. : Algae Eater Plus
Date Revised : 07/01/2015
Revision No : 3

Suncoast Algae Eater Plus

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Suncoast Algae Eater Plus

GENERAL USE: Algaecide

PRODUCT CODE: 00907022

MANUFACTURER

Lonza, Inc.
90 Boroline Road
Allendale, NJ 07401

DISTRIBUTOR

Sun Wholesale Supply, Inc.
(727) 531-8913
6385 150th Ave N.
Clearwater, FL 33760
Emergency Phone: (800) 255-3924

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 1

Serious Eye Damage, Category 1

GHS LABEL



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

PRECAUTIONARY STATEMENT(S)

General:

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363: Wash contaminated clothing before reuse.

Storage:

P405: Store locked up.

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Disposal:

P501: Dispose of contents/container in accordance with applicable local and federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Quaternary ammonium compounds, benzyl C12-18 alkyl dimethyl, chlorides	9.96	68391-01-5
N,N-Dialkyl (C12-18)-N-benzyl-N-methylammonium chloride	0.04	73049-75-9
2-propanol	2	67-63-0
Water	88	7732-18-5

4. FIRST AID MEASURES

EYES: Rinse immediately with plenty of water, including under eyelids, for at least 15 minutes. Call a physician immediately.

SKIN: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.

INGESTION: Call a physician immediately. Clean mouth with water. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give oxygen. First aider needs to protect himself. Call physician immediately.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Heating or fire can release toxic gas.

EXTINGUISHING MEDIA: Water spray, dry powder, foam

FIRE FIGHTING EQUIPMENT: Wear NIOSH-approved self-contained breathing apparatus and protective clothing. Cool unopened containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spillage and then collect with non-combustible absorbent material (such as sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

GENERAL PROCEDURES: Do not flush into surface water or sanitary sewer system.

SPECIAL PROTECTIVE EQUIPMENT: Use respirator when performing operations involving potential exposure to vapor or mist.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work room.

STORAGE: Keep container tightly closed and dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2-propanol	TWA	400 ppm	980 mg/m ³	200 ppm	490 mg/m ³	NL ^[1]	NL ^[1]
	STEL	ppm	mg/m ³	400 ppm	960 mg/m ³	NL	NL
Footnotes:							
1. NL = Not Listed							

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear tightly fitting safety goggles and face shield.

SKIN: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
 Rubber or plastic apron; rubber or plastic boots.

RESPIRATORY: In the case of vapor formation, use a respirator with approved filter.

WORK HYGIENIC PRACTICES: Wash hands before breaks and immediately after handling the product.

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and gloves (including the inside) before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Characteristic.

pH: 6.5 to 8.5

FLASHPOINT AND METHOD: > 93°C (199°F)

FLAMMABLE LIMITS: no data to no data

VAPOR PRESSURE: Not Determined

BOILING POINT: Not Known

FREEZING POINT: Not Known

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Known

SPECIFIC GRAVITY: 0.96 @ 25°C

VISCOSITY: Not Known

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

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CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating or fire can release toxic gas. Hazardous decomposition products include gaseous hydrogen chloride (HCl), amines, nitrogen oxides (NOx) and carbon oxides.

INCOMPATIBLE MATERIALS: Strong oxidizing or reducing agents.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

Notes: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as carcinogen.

MUTAGENICITY: Genotoxicity in vitro:

Negative Ames test (Salmonella typhimurium); Metabolic activation: yes; OECD Test Guideline 471; GPD: yes.

Negative Chromosome aberration test in vitro (Human lymphocytes); Metabolic activation: yes; OECD Test Guideline 473; GLP: yes.

GENERAL COMMENTS:

Propan-2-ol:

Acute Oral Toxicity: LD50 (rat) 5045 mg/kg

Acute inhalation Toxicity: LC50 (rat/4-hr) 73 g/m3

Skin Irritation: Mild irritant (rabbit)

Eye Irritation: Severe irritant (rabbit)

Sensitization: Sensitizing (human)

N-Alkyl(c12-16)-N,N-dimethyl-N-benzylammonium chloride

Acute Oral Toxicity: LD50 (rat) 344 mg/kg

Acute Dermal Toxicity LD50 (rabbit) 3340 mg/kg

Eye Irritation: Corrosive (rabbit) DOT Method

Skin Irritation: Corrosive (rabbit) DOT Method/24 hr

Sensitization: Not sensitizing (guinea pig) OECD Test Guideline 406

Neat Product:

Acute Dermal Toxicity: LD50 (rabbit-male) 7100 mg/kg

Acute Dermal Toxicity : LD50 (rabbit-female) 6300 mg/kg

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COMMENTS: Likely routes of exposure: Inhalation; Ingestion; Eyes, Skin.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS:

N-Alkyl(c12-16)-N,N-dimethyl-N-benzylammonium chloride

Biodegradability: OECD Confirmatory Test; >90%; Method: OECD 303A

Modified SCAS Test; >99%; 7 days; Method: OECD 302A

CO2 Evolution; 99.5%; readily biodegradable; Concentration 5 mg/l; Exposure time: 28 days; Method OECD 301B

Bioaccumulation: (Bluegill sunfish); Concentration- 0.05 mg/l; Bioconcentration factor – (BCF) 79; Method – US EPA

Acute Fish Toxicity: Acute toxicity LC50 (rainbow trout) 0.93 mg/l; 96 hrs; Method US EPA

Acute Toxicity LC50 (fathead minnow) 0.28 mg/l; 96 hr; Method US EPA

Acute Toxicity LC50 (bluegill sunfish) 0.51 mg/l; 96 hr; Method US EPA

Early-life Stage NOEC (fathead minnow) 0.03 mg/l; 34 days; Method EPA/FIFRA

Toxicity to daphnia and other aquatic invertebrates:

Immobilization EC50; Daphnia magna (water flea); 0.016 mg/l; 48 hrs; OECD Test Guideline 202

Reproduction Test NOEC; (water flea) 0.0042 mg/l; 21 days; Method EPA/FIFRA

Chronic Toxicity NOEC (chironomus sp) 520 mg/l; 28 days; US-EPA

Toxicity to Algae (ErC50):

Cell Multiplication Inhibition test: (green algae) 0.049 mg/l; exposure: 72 hr; OECD Test Guideline

Growth Inhibition: (algae); 0.089 mg/l; Exposure 96 d; US EPA

Toxicity to Soil Dwelling Organisms:

LC50 (earthworms); 7070 mg/kg; Exposure: 14 d; OECD Text Guideline 209

Plant Toxicity:

Growth Inhibition: EC50 277 - 1900 mg/kg; Exposure: 14 d; OECD Text Guideline

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13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Disinfectant Liquid, Corrosive, N.O.S. (Alkyldimethylbenzylammonium chloride)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 1903

PACKING GROUP: III

MARINE POLLUTANT #1: No.

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 1.3 gallons.

VESSEL (IMO/IMDG)

SHIPPING NAME: Disinfectant Liquid, Corrosive, N.O.S. (Alkyldimethylbenzylammonium chloride)

UN/NA NUMBER: UN 1903

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

EmS: F-A

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: No.

REGULATIONS

STATE REGULATIONS:

Massachusetts Right To Know: Propan-2-ol CAS#67-63-0

New Jersey Right to Know: Propan-2-ol CAS#67-63-0

Pennsylvania Right to Know: Propan-2-ol CAS#67-63-0

CALIFORNIA PROPOSITION 65: There are no chemicals present known to the State of California to cause cancer, birth

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defects, or any other reproductive harm.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Below you will find the hazard information that is required on the EPA pesticide label.

GENERAL COMMENTS: HAZARD INFO FOUND ON THIS EPA PRODUCT, EPA REG. NO. 6836-247-*****

DANGER.

Harmful if swallowed.

Harmful if absorbed through skin.

Harmful if inhaled.

Corrosive. Causes skin burns.

Corrosive. Causes irreversible eye damage.

Toxic to fish.

16. OTHER INFORMATION

Date Revised: 07/01/2015

REVISION SUMMARY: This SDS replaces the 08/30/2011 SDS. Revised: **Section 2:** EMERGENCY OVERVIEW - IMMEDIATE CONCERNS MEDICAL CONDITIONS AGGRAVATED, POTENTIAL HEALTH EFFECTS (SKIN, INHALATION, INGESTION). **Section 3:** . **Section 6:** GENERAL PROCEDURES, WATER SPILL. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY. **Section 9:** ODOR. **Section 11:** COMMENTS, MUTAGENICITY, Notes. **Section 13:** EMPTY CONTAINER. **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - MARINE POLLUTANT #1. **Section 15:** FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT), FIRE, GENERAL COMMENTS, 313 REPORTABLE INGREDIENTS, TSCA STATUS, CALIFORNIA PROPOSITION 65. **Section 16:** HMIS RATING (HEALTH, PHYSICAL HAZARD).

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