

Section 5: FIRE FIGHTING MEASURES**Flash Point:** > 200°F **Auto Ignition Temperature:** Not Known**Lower Explosion Limit:** Not Known **Upper Explosion Limit:** Not Known**Extinguishing Media:** Alcohol Foam; CO₂; Dry Chemical; Water**Special Fire Fighting Measures:** Must wear NIOSH/MSHA approved self-containing breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.**Unusual Fire and Explosion Hazards:** Products of combustion are toxic.**Section 6: ACCIDENTAL RELEASE MEASURES****Steps to be taken in case of spill or release of concentrate:** CAUTION! Irritant liquid. Remove all persons from spill area. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrations may be generated. Self-contained breathing apparatus may be necessary for very large spills. Dike and contain spill with inert material (sand, earth, clay, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.**Section 7: HANDLING AND STORAGE****Maximum Storage Temperature:** 140°F

Keep containers closed when not in use.

Do not contaminate drinking water, food or feed by storage or disposal.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Effects of Overexposure:** No health effects information available for human exposure. Based on the available animal toxicity information for similar materials, it is anticipated that direct contact with this concentrate may possibly produce severe eye or skin irritation. Prolonged exposures may cause chemical burns with possible irreversible damage. Ingestion may cause burning pain in the mouth, throat and abdomen; swelling of the larynx; circulatory shock and/or convulsions. Mists or vapors of this concentrate may cause irritation of mucous membranes.**Engineering Controls:** In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.**Respiratory Protection:** When necessary, NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.**Protective Gloves:** Rubber or neoprene, to prevent skin contact with concentrate.**Eye Protection:** Where chemical splash goggles where there is potential for eye contact. Use safety glasses with side shields when there is no potential for eye contact.**Other Protective Equipment:** Eye wash; safety shower; protective clothing (long sleeves, coveralls, or other, as appropriate), when needed to prevent skin contact.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear Green Liquid	Odor:	Botanical herbal/pine fragrance
pH:	10 – 11	Percent Volatile by Weight:	95%
Specific Gravity:	1 (water = 1.0)	Solubility in Water:	soluble
VOCs:	Concentrated solution is 5.28% Per California ARB Method 310.		

Section 10: STABILITY AND REACTIVITY**Stability:** This product is stable.**Hazardous polymerization:** Will not occur.**Hazardous Decomposition Products:** Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and other materials, and oxides of carbon and nitrogen.**Materials to Avoid:** Strong oxidizing or reducing agents.

Section 11: TOXICOLOGICAL INFORMATION

No toxicity information is available for this specific material. This toxicity information provided is for similar formulations.

Oral LD50 = 1850 mg/kg (rat)

Dermal LD50 = 4430 mg/kg (rabbit)

** Eye irritation (Rabbit @ 1:64 dilution) Not an irritant

** Skin irritation (Rabbit @ 1:64 dilution) Not an irritant

Section 12: ECOLOGICAL INFORMATION

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in compliance with all Federal, state and local laws, and regulations. Incineration is the preferred method.

Container Disposal: Triple Rinse (or equivalent), then offer for recycling or reconditioning or puncture and dispose of in sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Section 14: TRANSPORT INFORMATION

DOT Hazard Classification: Non-Hazardous
DOT Shipping Name: Not regulated
DOT Label: None
CAS No.: Mixture

Not regulated for transport purposes. No special precautions required. This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations. This material does not meet the definition of a hazardous material according to 49 CFR, ICAO, IMDG and the UN Orange Book. IMO does not classify this product as a Marine Pollutant. This product is classified as "NOT REGULATED" per IMO standards.

Section 15: REGULATORY INFORMATION

State Right-To-Know Regulations:

CALIFORNIA – Proposition 65 – This material does not contain any component found by the State of California to be a cancer hazard.

MASSACHUSETTS – This material does not contain any components that are included in the Massachusetts Substance List that are present at or above reportable levels.

MICHIGAN – This material does not contain any components that are included in the Michigan Critical Materials List.

NEW JERSEY – Right-To-Know – The following components of this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels:

Didecyl dimethyl ammonium chloride	CAS # 7173-51-5	Typical Max. Concentration: 1.9%
N-Alkyl (C12-16) dimethyl benzyl ammonium chloride	CAS # 8001-54-5	Typical Max. Concentration: 1.2%

PENNSYLVANIA – This material does not contain any components that are included in the Pennsylvania Hazardous Substance List that are present at or above reportable levels.

Section 16: OTHER INFORMATION

Questions about the information found on this MSDS should be directed to:
SUNSHINE MAKERS, INC. – TECHNICAL DEPARTMENT
15922 Pacific Coast Hwy. Huntington Harbour, CA 92649

Phone: 800/228-0709 [8am-5pm Pacific time, Mon-Fri]

Fax: 562/592-3830

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