

MATERIAL SAFETY DATA SHEET: SIMPLE GREEN® LIME SCALE REMOVER

I. PRODUCT & COMPANY INFORMATION

PRODUCT NAME: SIMPLE GREEN® LIME SCALE REMOVER

Page 1 of 3

COMPANY NAME: SUNSHINE MAKERS, INC.

Version No. 5006

Issue Date: January, 2003

15922 Pacific Coast Highway
Huntington Harbour, CA 92649 USA
Telephone: 800-228-0709 • 562-795-6000
Fax: 562-592-3034
Website: www.simplegreen.com

For 24-hour emergency, call Chem-Tel, Inc.: 800-255-3924

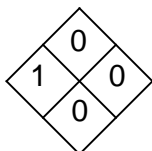
II. INGREDIENT INFORMATION

Ingredient	CAS Number	Exposure Limits (ppm) for Undiluted Materials	
		OSHA PEL	ACGIH TLV
Hydroxyacetic	79-14-1	5 mg/M ³	3mg/M ³

III. HAZARDS IDENTIFICATION

Hazard Rating (NFPA)/HMIS:

Health = 1 Reactivity = 0
Fire = 0 Special = 0



Rating Scale

0 = minimal 1 = slight
2 = moderate 3 = serious
4 = severe

None of the ingredients are regulated or listed as potential cancer agents by the U.S. Occupational Safety and Health Administration, the U.S. National Toxicology Program, or the International Agency for Research on Cancer.

All of the components of Simple Green Lime Scale Remover are listed on the TSCA Chemical Substance Inventory.

IV. FIRST AID MEASURES

Eye contact: Flush with water for 15 minutes, lifting upper lid. Remove contact lenses. Call physician if necessary.

Skin contact: Wash with water. Call physician if necessary. Remove contaminated clothing.

Swallowing: Drink large amounts of water or milk, call physician immediately. Do not give anything by mouth to an unconscious person.

V. FIRE FIGHTING MEASURES

Simple Green® Lime Scale Remover is not flammable and will not burn.

Flash Point:	Not flammable.
Auto-ignition Temperature:	Not flammable.
Flammability Limits:	Not flammable.
Extinguishing Media:	Not flammable/nonexplosive.
Special Fire Fighting Procedures:	None required.

VI. ACCIDENTAL RELEASE MEASURES

Add soda ash to neutralize. Pickup with mop or absorbent material.

VII. HANDLING, STORAGE & TRANSPORT INFORMATION

Normal storage, handle with caution.
This product requires no special labeling or placarding to meet U.S. DOT requirements.

VIII. EXPOSURE CONTROLS

Signs & Symptoms of Exposure:

Eyes:	May cause irritation if contacted.
Skin:	May cause irritation.
Ingestion:	Harmful to mucous membranes.

Ventilation: Local exhaust or fresh air exchange.

Human Health Effects or Risks from Exposure:

May cause skin irritation on prolonged contact. No chronic effects have been reported.

Medical Conditions Aggravated by Exposure: Pre-existing skin conditions.

IX. PERSONAL PROTECTION

Precautionary Measures:	Follow directions on container label for proper use. Follow first aid procedures if contacted. Keep out of reach of children.
Eye Protection:	Specific eye protection is not required; however, caution should be used to avoid eye contact by this cleaning agent.
Skin Protection:	None required. Rubber gloves should be used for prolonged contact.
Respiratory Protection:	No special precautions required.
Work and Hygienic Practices:	No special precautions or requirements. Thoroughly wash or rinse hands before touching eyes or contact lenses.

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/odor: Translucent green liquid with mint odor
Solubility in Water: Completely soluble
Vapor Pressure: 57 mm Hg @ 100 °F
Vapor Density: N/A
Boiling Point: 206 °F (96.7 °C)
Specific Gravity: 1.029 @ 77 °F
Evaporation Rate: 0.2 @ 77 °F (Butyl acetate = 1.0)
Density: 8.55 lbs./gal.
pH: 1.8

XI. STABILITY AND REACTIVITY INFORMATION

Stability: Product is stable.
Incompatibility: Do not mix with other chemicals.
Hazardous Decomposition or By-Products: N/A
Hazardous polymerization will not occur.

XII. TOXICOLOGICAL INFORMATION

Nonhuman Toxicity

Oral LD₅₀ (Rat): > 5.0 gm/kg body weight
Dermal LD₅₀ (Rabbit): > 2.0 gm/kg body weight
Primary Dermal Irritation: Non irritant
Eye Irritation (unwashed): Moderately irritating
Eye Irritation (washed): Practically non-irritating
Allergenicity: Not a sensitizer

XIII. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state, and federal laws.

OTHER INFORMATION

Containers: Simple Green® Lime Scale Remover residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

Contact Point: Sunshine Makers, Inc., Research and Development Division: 562-795-6000.

***** NOTICE *****

All information appearing herein is based upon data obtained by the manufacturer and recognized technical sources. Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of this information, Sunshine Makers, Inc. or its distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for application to purchaser's intended purposes or for consequences of its use.