

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Lime Scale Remover

Additional Names:

Manufacturer's Part Number: 50022 – 22 oz 50033 – 946 ml 50005 – 5 gallon
50032 – 32 oz 50128 – 1 gallon 50155 – 55 gallon
USA numbers, international shipments will differ

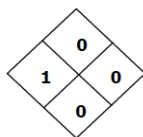
Company: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA

Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. Irritant. This is a turquoise colored liquid with a wintergreen odor.



NFPA/HMIS Rating:

Health = 1 = slight

Fire, Reactivity, and Special = 0 = minimal

Potential Health Effects

Eye Contact: Eye irritant.

Skin Contact: Substance may cause slight skin irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation: No adverse effects expected under typical use conditions.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 78%
Urea Hydrochloride	506-89-8	≤ 6%
Sodium Citrate	6132-04-3	≤ 5%
Mixed Alcohol Ethoxylate	Proprietary	≤ 5%
Potassium Iodide	7681-11-0	≤ 1%
Fragrance	Proprietary	≤ 1%
Colorant	Proprietary	≤ 1%

Section 4: FIRST AID MEASURES

- If Inhaled:** If adverse effect occurs, move to fresh air.
- If on skin:** If adverse effect occurs, rinse skin with water.
- If in eyes:** Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
- If ingested:** Drink plenty of water to dilute.

Section 5: FIRE FIGHTING MEASURES

This formula is stable, non-flammable, and will not burn. No special procedures necessary

Flammability: Non-flammable

Flash Point: Non-flammable

Suitable Extinguishing Media: Use Dry chemical, CO2, water spray or “alcohol” foam.

Extinguishing Media to Avoid High volume jet water.

Special Exposure Hazards: In event of fire created carbon oxides.

Special Protective Equipment: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: See section 8 – personal protection.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Method for Clean Up: Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.

Section 7: HANDLING AND STORAGE

Handling: Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children.

Storage: Keep in cool dry area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	OSHA PEL	ACGIH TLV
No reportable ingredients		

Exposure Controls:

Eye Contact: Use protective glasses if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas.

Skin Contact: Prolonged exposure or dermal sensitive individuals should use protective gloves.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Turquoise Liquid	Vapor Pressure:	TBD
Odor:	Added wintergreen odor	Density:	8.52 lb/gal
Specific Gravity:	1.0230	Water Solubility:	100%
pH:	1.0 – 2.0	VOC composite Partial Pressure:	TBD
Boiling Point:	~212°F (100 °C)	VOC:	CARB Method 310 0.0%
Freezing Point:	~ 32°F (0 °C)		

Section 10: STABILITY AND REACTIVITY

Stability: Stable
Materials to Avoid: Caustics, oxidizers, reducers, bleach, mildew stain removers
Hazardous Decomposition Products: Normal products of combustion - CO, CO2

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD₅₀ (rat) > 5 g/kg body weight
Dermal LD₅₀ (rabbit) > 5 g/kg body weight
Toxicity calculated from ingredients using OECD SERIES ON TESTING AND ASSESSMENT Number 33

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

Section 12: ECOLOGICAL INFORMATION

Hazard to wild mammals: Low, based on toxicology profile
Hazard to avian species: Low, based on toxicology profile
Hazard to aquatic organisms: Low, based on toxicology profile
Chemical Fate Information: Biodegradable based on biodegradability profile of ingredients

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal:

Unused Product: *Dilute with water to use concentration and dispose by sanitary sewer.
Used Product: *This product can enter into clarifiers and oil/water separators. Used product may be hazardous depending on the cleaning application and resulting contaminants.
Empty Containers: *Triple-rinse with water and offer for recycling if available in your area. Otherwise, dispose as non-hazardous waste.

*Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) / Canadian TDG: Not Regulated

IMO / IDMG: Not classified as Dangerous

ICAO/ IATA: Not classified as Dangerous

ADR/RID: Not classified as Dangerous

U.N. Number: Not Required

Proper Shipping Name:

Detergent Solution

Hazard Class: Non-Hazardous

Marine Pollutant:

No

Section 15: REGULATORY INFORMATIONAll components are listed on: EINECS, TSCA, DSL and AICS Inventory.No components listed under: Clean Air Act Section 112; Clean Water Act 307 & 311SARA Title III No reportable ingredientsRCRA Status: Not a hazardous wasteCERCLA Status:

No components listed

State Right To Know Lists

No reportable ingredients

WHMIS Classification – Category D, subcategory 2B, eye irritant

Name

Toxic Substances List – Schedule 1 – CEPA
(Canadian Environmental Protection Act)

NPRI Inventory

None

No

No

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada's Controlled Products Regulation.

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 Beach, CA 92649

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

Fax: 562/592-3830

Email: infoweb@simplegreen.com

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