

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Lime Scale Remover
 Additional Names: AROMA CLEAN™ by Simple Green® Bath, Tub & Tile Cleaner

Manufacturer's Product Code Numbers:

<u>Lime Scale Remover</u>		<u>Aroma Clean Bath, Tub & Tile</u>
50022 – 22 oz trigger spray bottle		16201 – 24 oz Trigger Spray Bottle
50032* – 32 oz trigger spray bottle	50128* – 1 gallon bottle	
50005* – 5 gallon pail	50155* – 55 Gallon Drum	* GSA Available

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

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

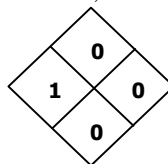
Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Use of Product: Ready to use liquid for removal of soap scum, mineral scale, hard-water spots, calcium and lime deposits on hard, non-porous surfaces. Not for use on any natural stone surface.

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. Eye irritant.

This product contains no substances which at their given concentration, are considered to be hazardous to health.



NFPA/HMIS Rating:
 Health = 1 = slight
 Fire, Reactivity, and Special = 0 = minimal

Principal Routes of Exposure: Eye, Skin contact, Ingestion

Eye Contact: Eye Irritant.

Skin Contact: Substance may cause slight skin irritation.

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

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

Medical Conditions: No medical conditions are known to be aggravated by exposure to Simple Green® Lime Scale Remover.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% Weight</u>	<u>ACGIH TWA</u>	<u>Acute Toxicity LD₅₀</u>
Urea monohydrochloride	506-89-8	3-5%	Not applicable	1121 mg/kg rat (oral)

Hazardous Substances Present: None

SARA 313 Substances Present: None

Clean Air Act Sec. 112 Substances Present: None

Section 4: FIRST AID MEASURES

Eye Contact: In case of eye contact, remove contact lenses and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact: Flush with water. Wash off the soap and water. Obtain medical attention if irritation persists. Wash contaminated clothing well before reuse.

Inhalation: Not a normal route of exposure. If symptoms develop, move victim to fresh air. If symptoms persist, call a physician.

Ingestion: Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Section 5: FIRE FIGHTING MEASURES

Flash Point: Not flammable
 Hazardous Combustion Products: May include, but not limited to, oxides of carbon
 Suitable extinguishing media: Treat for surrounding material.
 Specific hazards: Fire fighters should wear self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

Method for cleaning up: Before initiating cleanup, refer to hazard data on this MSDS

- Retrieve any useable product and store in properly marked containers
- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
- Prevent large spills from entering sewers and waterways.

Section 7: HANDLING AND STORAGE

Safe Handling: Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer.
 Storage: Keep out of reach of children. Keep containers tightly closed in cool, well-ventilated place.
 Incompatible Products: Bleach, mildew stain removers, caustics, oxidizers, reducers.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection Rubber Gloves
 Eye Protection Safety Glasses
 Respiratory Protection Not normally required
 Other Protective Equipment As required by employer code
 Engineering measures None, under normal processing

General hygiene conditions: There are no known hazards associated with this material when used as recommended.
 The following general hygiene considerations are recognized as common good industrial hygiene practices:

- Avoid breathing vapor or mist.
- Avoid contact with eyes.
- Wash thoroughly after handling and before eating, drinking, or smoking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Lime Scale Remover is a pale aqua liquid; AROMA CLEAN is a pale purple liquid.		
Odor:	Lime Scale Remover has a wintergreen fragrance; AROMA CLEAN has a lavender fragrance.		
Vapor Density:	Not determined	Water Solubility:	Completely water soluble.
pH:	1.0 – 1.5	Bulk Density:	8.52 lbs/gallon
Boiling Point:	~ 100°C (~212°F)	Flash Point:	None observed to boiling point.
Freezing Point:	Ca. 0°C	Insoluble matter:	< 0.01%
Water Content:	> 70%	VOCs:	0 g/L per EPA Method 24
Specific Gravity:	1.0230		0% per CARB Method 310

Section 10: STABILITY AND REACTIVITY

Stability: Stable
 Materials to Avoid: None known
 Hazardous Decomposition Products: None expected

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD₅₀ (rat) - > 10 g/kg body weight
Toxicity extrapolated from ingredients. Animal testing not conducted.

Eye Irritation: This product may cause irritation to the eyes.

Dermal Irritation: Not expected under normal use conditions.

Repeat Exposure Via Skin Contact: No toxic effects are expected to be associated with normal daily exposure

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: > 100 mg/L (rainbow trout, 96 hours)

Chemical Fate Information: Biodegradable; Based on formula & biodegradability, the bioaccumulation potential is low.

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused product: Dispose in accordance with all national and local regulations.

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 into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

DOT: Not regulated for ground shipments UN No.: Not required.

Proper Shipping Name: Cleaning Compound Class 55 Packing Group: Not applicable

Section 15: REGULATORY INFORMATION

All components are listed on Canadian DSL, EINECS and TSCA Chemical Substances Inventory.

RCRA Status: Not a hazardous waste. CERCLA Status: Not Listed.

TSCA TRI Reporting: Not required / Not Listed. CA PROP. 65 Status: Not Listed.

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 Email: infoweb@simplegreen.com

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