

SMP 50032

Material Safety Data Sheet: **Simple Green® Lime Scale Remover**

Version No. 00004

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ANSI-Z400.1-2003 Format

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:

Lime Scale Remover

50022 – 22 oz trigger spray bottle

50032* – 32 oz trigger spray bottle

50005* – 5 gallon pail

50128* – 1 gallon bottle

50155* – 55 Gallon Drum

Aroma Clean Bath, Tub & Tile

16201 – 24 oz Trigger Spray Bottle

* GSA Available

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

Telephone: 800-228-0709 • 562-795-6000

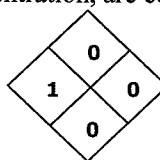
Fax: 562-592-3830

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-225-3924

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 11: TOXICOLOGICAL INFORMATIONAcute 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 TIR 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

DISCLAIMER: The information provided with this MSDS is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. Sunshine Makers, Inc. assumes no additional liability or responsibility resulting from the use of, or reliance on this information.

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
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		

Section 10: STABILITY AND REACTIVITY

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