

Section 1: PRODUCT AND COMPANY IDENTIFICATION

*NOTE: This MSDS is for all Simple Green Limescale Remover manufactured in 2005 or thereafter.
 Product Name: Simple Green® Limescale Remover
 Additional Names: Aroma Clean™ by Simple Green® Bath, Tub & Tile Cleaner

Manufacturer's Product Code Number(s):

Limescale Remover	Aroma Clean Bath, Tub & Tile
50022 = 22 oz. trigger-spray bottles	16201 = 24 oz. trigger-spray bottles
<i>GSA available:</i>	
50032 = 32 oz. trigger-spray bottles	
50128 = 1 gallon bottles	
50005 = 5 gallon pails	
50155 = 55 gallon drums	

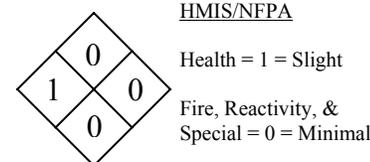
Company: Sunshine Makers, Inc.
 15922 Pacific Coast Highway Huntington Harbour, CA 92649 USA
 Telephone: 800/228-0709 or 562/795-6000
 Fax: 562/592-3830
 Emergency Phone: Chem-Tel 24-Hour Emergency Service 800/255-3924

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.

Principal Routes of Exposure: Eye, Skin contact, Ingestion
Eye Contact: Eye Irritant
Skin Contact: Substance may cause slight skin irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Medical Conditions: No medical conditions are known to be aggravated by exposure to Simple Green Limescale Remover.
Carcinogens: No ingredients are listed by OSHA, IARC, or NTP.



Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS# 506-89-8
 Chemical Name: Urea monohydrochloride
 % Weight = 3-5
 ACGIH TWA = not applicable
 Acute toxicity = LD₅₀ 1121 mg/kg oral, rat

Hazardous Substances Present:	None
SARA 313 Substances Present:	None
Clean Air Act Sec. 112 Substances Present:	None

Section 4: FIRST AID MEASURES

Eye contact	<ul style="list-style-type: none"> ● In case of eye contact, remove contact lenses and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. ● If eye irritation persists, consult a physician.
Skin contact	<ul style="list-style-type: none"> ● Flush with water. ● Wash off with soap and water. ● Obtain medical attention if irritation persists. ● Wash contaminated clothing well before reuse.
Inhalation	<ul style="list-style-type: none"> ● Not a normal route of exposure. ● If symptoms develop, move victim to fresh air. ● If symptoms persist, call a physician.
Ingestion	<ul style="list-style-type: none"> ● 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
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:	Clear liquid (Limescale is pale aqua in color – Bath, Tub & Tile is pale purple)	Vapor Density:	Not determined
Odor:	Limescale has Wintergreen fragrance, Bath, Tub & Tile has Lavender fragrance.	Water Solubility:	Completely water soluble
pH of Concentrate:	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 under normal conditions.
Materials to Avoid: ● Caustics, Oxidizers, Reducers, Bleach, Mildew stain removers.
Hazardous Decomposition Products: ● None under normal use.
● May include, but not limited to, oxides of carbon when heated to decomposition.

Section 11: TOXICOLOGICAL INFORMATION

Eye Irritation: This product may cause irritation to the eyes.
Dermal Irritation: Not expected under normal use conditions.
Repeated 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 and 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

Prepared by:
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DISCLAIMER: Information on this MSDS was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of OSHA/WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.

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