

**Section 1: PRODUCT & COMPANY IDENTIFICATION**

Product Name: Simple Green® Lime Scale Remover

Additional Names:

Manufacturer's Part Number: 50022 & 1710001250022 – 22 oz  
 50032 & 1710001250032 – 32 oz  
 50005 & 1700000150005 – 5 gallon  
 50033 & 1710001250033 – 946 ml  
 50128 & 1710000650128 – 1 gallon  
 50155 & 1700000150155 – 55 gallon  
 USA numbers, international shipments will differ

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

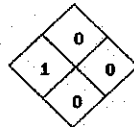
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

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.

**Routes of Exposures:** Eye Contact, Skin Contact, Inhalation



**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.

**Medical Conditions Aggravated by Exposure:** Dermally sensitive users may experience dry skin.

**Target Organs:** None.

**Environmental Effects:** Not harmful.

**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%
Ethoxylated Alcohol	68439-46-3	≤ 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

**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.

**Products of Combustion:** 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. EPA D002

**Method for Containment:** Dike or soak up with inert absorbent material.

**Method for Clean Up:** Dilute with water and rinse into sanitary sewer system or place absorbent material in waste bin.

### 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

<b>Appearance:</b>	Turquoise	<b>Odor:</b>	Added Wintergreen Fragrance
<b>Physical State:</b>	Liquid	<b>Odor Threshold:</b>	Not available
<b>Boiling Point:</b>	~212°F (100°C)	<b>Flash Point:</b>	Not applicable
<b>Freezing Point:</b>	~ 32°F (0°C)	<b>Flammability:</b>	Not applicable
<b>Specific Gravity:</b>	1.015 – 1.030	<b>Autoignition Temperature:</b>	Not applicable
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined	<b>Density:</b>	8.47 – 8.59 lb/gal
<b>Vapor Density:</b>	Not determined	<b>Water Solubility:</b>	100%
<b>pH:</b>	1.0 – 2.0	<b>Partial Coefficient:</b>	Not determined
<b>VOCs:</b>	CARB Method 310 - 0.0%	<b>VOC Composite Partial Pressure:</b>	Not determined
<b>Nutrients:</b>	Not applicable		

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).  
**Reactivity:** Reactive  
**Conditions to Avoid:** Excessive heat or prolonged direct sunlight.  
**Incompatible Materials:** Do not mix with strong oxidizers (Hydrogen Peroxide, "bleach", Sodium Hypochlorite), acids, strong alkalines, disinfectants, antibacterials, antimicrobials bathroom cleaners or any type of stain remover.  
**Hazardous Decomposition Products:** Normal products of combustion - CO, CO2  
**Possibility of Hazardous Reactions:** Possible with misuse of product.

## Section 11: TOXICOLOGICAL INFORMATION

**Effects of Exposure:** Not expected to be hazardous under typical use conditions.

**Acute Toxicity:** Oral LD<sub>50</sub> (rat) > 5 g/kg body weight  
Dermal LD<sub>50</sub> (rabbit) > 5 g/kg body weight

*calculated via OECD Harmonized Integrated Classification System for Human Health & Environmental Hazards of Chemical Substances & Mixtures*

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

## Section 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Low, based on toxicology profile of ingredients.

**Terrestrial Toxicity:** Low, based on toxicology profile of ingredients

**Persistence and degradability:** Biodegradable, based on biodegradability profile of ingredients

**Mobility:** No data available.

**Bioaccumulation:** Not applicable.

## Section 13: DISPOSAL CONSIDERATIONS

**Appropriate Method for Disposal:**

**Unused Product:** \*Dilute with water to use concentration and dispose by sanitary sewer.

**Used Product:** \* 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 INFORMATION**

All components are listed on: EINECS, TSCA, DSL and AICS Inventory.

No components listed under: Clean Air Act Section 112; Clean Water Act 307 & 311

SARA Title III No reportable ingredients

RCRA Status: EPA D002

CERCLA 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**

**Prepared / Revised By:** Sunshine Makers, Inc., Regulatory Department.

**This SDS has been revised in the following sections:** Several sections reformatted, additional part numbers added.

**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.