## Section 1: IDENTIFICATION

**Product Name:** Simple Green® Industrial Cleaner & Degreaser Lemon Scent
**Additional Names:**

**Manufacturer's Part Number:** **Please refer to Section 16*

**Recommended Use:** Cleaner & Degreaser for water tolerant surfaces.
**Restrictions on Use:** Do not use on non-rinseable surfaces.

**Company:** Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA
**Telephone:** 800-228-0709 ● 562-795-6000 *Mon – Fri, 8am – 5pm PST*
**Fax:** 562-592-3830
**Email:** info@simplegreen.com
**Emergency Phone:** Chem-Tel 24-Hour Emergency Service: 800-255-3924

## Section 2: HAZARDS IDENTIFICATION

**This product is not considered hazardous under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).**

*OSHA HCS 2012*
*Label Elements*
**Signal Word:** None
**Hazard Symbol(s)/Pictogram(s):** None required
**Hazard Statements:** None
**Precautionary Statements:** None
**Hazards Not Otherwise Classified (HNOC):** None
**Other Information:** None Known

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS Number | Percent Range |
|---|---|---|
| Water | 7732-18-5 | > 85.000%* |
| Surfactant | Proprietary | < 5.000%* |
| Tetrasodium Glutamate Diacetate | 51981-21-6 | < 2.000%* |
| Sodium Bicarbonate | 144-55-8 | < 1.000%* |
| Fragrances | Proprietary Mixture | < 1.000%* |
| Citral | 5392-40-5 | < 0.100%* |
| Limonene | 5989-27-5 | < 0.100%* |
| Hexyl Cinnamal | 101-86-0 | < 0.100%* |
| Polyoxyalkylene Substituted Chromophore (Yellow) | Proprietary | < 0.010%* |
| Methylchloroisothiazolinone | 26172-55-4 | < 0.001%* |
| Methylisothiazolinone | 2682-20-4 | < 0.0001%* |

**specific percentages of composition are being withheld as a trade secret*

## Section 4: FIRST-AID MEASURES

**Inhalation:** Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
**Skin Contact:** Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.
**Eye Contact:** Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.
**Ingestion:** May cause upset stomach. Drink plenty of water to dilute. See section 11.
**Most Important Symptoms/Effects, Acute and Delayed:** None known.
**Indication of Immediate Medical Attention and Special Treatment Needed, if necessary:** Treat symptomatically

## Section 5: FIRE-FIGHTING MEASURES

**Suitable & Unsuitable Extinguishing Media:** Use Dry chemical, CO2, water spray or "alcohol" foam. Avoid high volume jet water.
**Specific Hazards Arising from Chemical:** In event of fire, fire created carbon oxides may be formed.
**Special Protective Actions for Fire-Fighters:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

*This product is non-flammable. See Section 9 for Physical Properties.*

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** *For non-emergency and emergency personnel:* See section 8 – personal protection. Avoid eye contact. Safety goggles suggested.

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

**Methods and Materials for Containment and Clean Up:** Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

## Section 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

**Conditions for Safe Storage including Incompatibilities:** Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limit Values:** No components listed with TWA or STEL values under OSHA or ACGIH.

**Appropriate Engineering Controls:** Showers, eyewash stations, ventilation systems

**Individual Protection Measures / Personal Protective Equipment (PPE)**
Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.
Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.
Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.
General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|---|---|---|---|---|---|
| **Appearance:** | Yellow Liquid | **Partition Coefficient: n-octanol/water:** | Not determined | | |
| **Odor:** | Added lemon odor | **Autoignition Temperature:** | Non-flammable | | |
| **Odor Threshold:** | Not determined | **Decomposition Temperature:** | 42.7°C (109°F) | | |
| **pH:** | 8.0 – 10.0 | **Viscosity:** | Like water | | |
| **Freezing Point:** | 0°C (32°F) | **Specific Gravity:** | 1.00 – 1.03 | | |
| **Boiling Point & Range:** | 101°C (213.8°F) | **VOCs:** | ***Water & fragrance exemption in calculation* | | |
| **Flash Point:** | > 212°F | SCAQMD 304-91 / EPA 24: | Not tested | | |
| **Evaporation Rate:** | Not determined | CARB Method 310**: | <5 g/L | <0.0417lb/gal | <0.5% |
| **Flammability (solid, gas):** | Not applicable | SCAQMD Method 313: | Not tested | | |
| **Upper/Lower Flammability or Explosive Limits:** | Not applicable | **VOC Composite Partial Pressure:** | Not determined | | |

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued

| | | | |
|---|---|---|---|
| **Vapor Pressure:** | Not determined | **Relative Density:** | 8.34 – 8.59 lb/gal |
| **Vapor Density:** | Not determined | **Solubility:** | 100% in water |

## Section 10: STABILITY AND REACTIVITY

**Reactivity:** Non-reactive.
**Chemical Stability:** Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
**Possibility of Hazardous Reactions:** None known.
**Conditions to Avoid:** Excessive heat or cold.
**Incompatible Materials:** Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.
**Hazardous Decomposition Products:** Normal products of combustion - CO, CO2.

## Section 11: TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:**
Inhalation - Overexposure may cause headache.
Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.
Eye Contact - Not expected to cause irritation.
Ingestion - May cause upset stomach.

*Symptoms related to the physical, chemical and toxicological characteristics:* no symptoms expected under typical use conditions.
*Delayed and immediate effects and or chronic effects from short term exposure:* no symptoms expected under typical use conditions.
*Delayed and immediate effects and or chronic effects from long term exposure:* headache, dry skin, or skin irritation may occur.
*Interactive effects:* Not known.

Numerical Measures of Toxicity
**Acute Toxicity:** Oral $LD_{50}$ (rat) > 5 g/kg body weight
Dermal $LD_{50}$ (rabbit) > 5 g/kg body weight
*Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals*

**Skin Corrosion/Irritation:** Non-irritant per Dermal Irritection® assay modeling. No animal testing performed.
**Eye Damage/Irritation:** Non-irritant per Ocular Irritection® assay modeling. No animal testing performed.
**Germ Cell Mutagenicity:** Mixture does not classify under this category.
**Carcinogenicity:** Mixture does not classify under this category.
**Reproductive Toxicity:** Mixture does not classify under this category.
**STOT-Single Exposure:** Mixture does not classify under this category.
**STOT-Repeated Exposure:** Mixture does not classify under this category.
**Aspiration Hazard:** Mixture does not classify under this category.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
**Aquatic:** Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
**Terrestrial:** Not tested on finished formulation.

## Section 12: ECOLOGICAL INFORMATION - continued

**Persistence and Degradability:** Based on similar formula, Readily Biodegradable, 80% in 28 days, OECD 301D
**Bioaccumulative Potential:** No data available.
**Mobility in Soil:** No data available.
**Other Adverse Effects:** No data available.

## Section 13: DISPOSAL CONSIDERATIONS

**Unused or Used Liquid:** May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

**Empty Containers:** May be offered for recycling.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

## Section 14: TRANSPORT INFORMATION

**U.N. Number:** Not applicable
**U.N. Proper Shipping Name:** Cleaning Compound, Liquid NOI
**Transport Hazard Class(es):** Not applicable
**Packing Group:** Not applicable
**Environmental Hazards:** Marine Pollutant - NO
**Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code):** Unknown.
**Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises:** None known.

**U.S. (DOT) / Canadian TDG:** Not Regulated for shipping.
**IMO / IDMG:** Not classified as Hazardous
**ICAO/ IATA:** Not classified as Hazardous
**ADR/RID:** Not classified as Hazardous

## Section 15: REGULATORY INFORMATION

**All components are listed on:** TSCA and DSL Inventory.

**SARA Title III:** Sections 311/312 Hazard Categories – Not applicable.
Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.
Sections 302 – Not applicable.

**Clean Air Act (CAA):** Not applicable
**Clean Water Act (CWA):** Not applicable

**State Right To Know Lists:** No ingredients listed
**California Proposition 65:** No ingredients listed

This product has been classified as “not classifiable as hazardous” in accordance with Consumer Product Safety Commission (16 CFR Chapter 2) and labelled and packaged accordingly.

**US Consumer Product Safety Commission Regulations**
This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). However, the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. Therefore, the requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

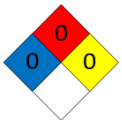
## Section 16: OTHER INFORMATION

| Size | UPC |
|---|---|
| 24 fl. oz. | 043318000126 |
| 1 Gallon | 043318000133 |
| 1 Gallon w/ dilution bottle | 043318007743 |
| 5 Gallon | 043318001239 |
| 55 Gallon | 043318000331 |
| 275 Gallon | 043318001161 |

*USA items listed only. Not all items listed. USA items may not be valid for international sale.*

**NFPA:**

Health – None
Flammability – Non-flammable
Stability – Stable
Special - None




**Acronyms**

| | | | |
|---|---|---|---|
| NTP | National Toxicology Program | IARC | International Agency for Research on Cancer |
| OSHA | Occupational Safety and Health Administration | CPSC | Consumer Product Safety Commission |
| TSCA | Toxic Substances Control Act | DSL | Domestic Substances List |

**Prepared / Revised By:** Sunshine Makers, Inc., Regulatory Department.
**This SDS has been revised in the following sections:** Formula Change

**DISCLAIMER**: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.