

Section 1: IDENTIFICATION**Product Name:** Simple Green® Industrial Cleaner & Degreaser**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-rinsable 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 classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).**OSHA HCS 2012Label 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**

| <u>Ingredient</u> | <u>CAS Number</u> | <u>Percent Range</u> |
|--|---------------------|----------------------|
| Water | 7732-18-5 | > 84.8%* |
| Non-ionic Surfactant | 68439-46-3 | < 5%* |
| Sodium Citrate | 68-04-2 | < 5%* |
| Tetrasodium <i>N,N</i> -bis(carboxymethyl)-L-glutamate | 51981-21-6 | < 1%* |
| Sodium Carbonate | 497-19-8 | < 1%* |
| Citric Acid | 77-92-9 | < 1%* |
| Isothiazolinone mixture | 55965-84-9 | < 0.2%* |
| Fragrance | Proprietary Mixture | < 1%* |
| Colorant | Proprietary Mixture | < 1%* |

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: | Green Liquid | Partition Coefficient: n-octanol/water: | Not determined |
| Odor: | Added sassafras odor | Autoignition Temperature: | Non-flammable |
| Odor Threshold: | Not determined | Decomposition Temperature: | 109°F |
| pH ASTM D-1293: | 8.5 – 9.5 | Viscosity: | Like water |
| Freezing Point ASTM D-1177: | 0-3.33°C (32-38°F) | Specific Gravity ASTM D-891: | 1.01 – 1.03 |
| Boiling Point & Range ASTM D-1120: | 101°C (213.8°F) | VOCs: | <i>**Water & fragrance exemption in calculation</i> |
| Flash Point ASTM D-93: | > 212°F | SCAQMD 304-91 / EPA 24: | 0 g/L 0 lb/gal 0% |
| Evaporation Rate ASTM D-1901: | ½ Butyl Acetate @ 25°C | CARB Method 310**: | 2.5 g/L 0.021 lb/gal 0.25% |
| Flammability (solid, gas): | Not applicable | SCAQMD Method 313: | Not tested |
| Upper/Lower Flammability or Explosive Limits: | Not applicable | VOC Composite Partial Pressure: | Not determined |
| Vapor Pressure ASTM D-323: | 0.60 PSI @77°F, 2.05 PSI @100°F | Relative Density ASTM D-4017: | 8.34 – 8.42 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, CO ₂ . |

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 Irritation® assay modeling. No animal testing performed. |
| Eye Damage/Irritation: | Minimal irritant per Ocular Irritation® assay modeling. No animal testing performed. |
| Germ Cell Mutagenicity: | Mixture does not classify under this category. |
| Carcinogenicity: | No ingredients trigger or classify under this category under NTP, IARC or OSHA. |
| 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: | Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC ₅₀ & IC ₅₀ ≥100 mg/L. 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. |
| Persistence and Degradability: | Readily Biodegradable per OCED 301D, Closed Bottle Test |
| 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.

