Safety Data Sheet: Simple Green® All-Purpose Cleaner

Section 1: IDENTIFICATION

Product Name: Simple Green® All-Purpose Cleaner
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.  Telephone: 800-228-0709 ● 562-795-6000
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 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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percent Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 84.8%*</td>
</tr>
<tr>
<td>Ethoxylated Alcohol</td>
<td>68439-46-3</td>
<td>&lt; 5%*</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>68-04-2</td>
<td>&lt; 5%*</td>
</tr>
<tr>
<td>Tetrasodium N,N-bis(carboxymethyl)-L-glutamate</td>
<td>51981-21-6</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Isothiazolinone mixture</td>
<td>55965-84-9</td>
<td>&lt; 0.2%*</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Proprietary Mixture</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Colorant</td>
<td>Proprietary Mixture</td>
<td>&lt; 1%*</td>
</tr>
</tbody>
</table>

*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.
- 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


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
Odor: Added sassafras odor
Odor Threshold: Not determined
pH ASTM D-1293: 8.5 – 9.5
Freezing Point ASTM D-1177: 0-3.33°C (32-38°F)
Boiling Point & Range ASTM D-1120: 101°C (213.8°F)
Flash Point ASTM D-93: > 212°F
Evaporation Rate ASTM D-1901: ½ Butyl Acetate @ 25°C
Flammability (solid, gas): Not applicable
Upper/Lower Flammability or Explosive Limits: Not applicable
Vapor Pressure ASTM D-323: 0.60 PSI @77°F, 2.05 PSI @100°F
Vapor Density: Not determined

Partition Coefficient: n-octanol/water: Not determined
Autoignition Temperature: Non-flammable
Decomposition Temperature: 109°F
Viscosity: Like water
Specific Gravity ASTM D-891: 1.01 – 1.03
VOCs: **Water & fragrance exemption in calculation
SCAQMD 304-91 / EPA 24: 0 g/L 0 lb/gal 0%
CARB Method 310**: 2.5 g/L 0.021 lb/gal 0.25%
SCAQMD Method 313: Not tested
VOC Composite Partial Pressure: Not determined
Relative Density ASTM D-4017: 8.34 – 8.42 lb/gal
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 LD50 (rat) > 5 g/kg body weight
  - Dermal LD50 (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: Minimal 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: Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC50 & IC50 ≥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.
Section 14: TRANSPORT INFORMATION

U.N. Number: Not applicable
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Marine Pollutant

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.

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

Texas ESL:
Ethoxylated Alcohol 68439-46-3 60 µg/m³ long term 600 µg/m³ short term
Sodium Citrate 68-04-2 5 µg/m³ long term 50 µg/m³ short term
Sodium Carbonate 497-19-8 5 µg/m³ long term 50 µg/m³ short term
Citric Acid 77-92-9 10 µg/m³ long term 100 µg/m³ short term

Section 16: OTHER INFORMATION

Size          UPC          Size          UPC
2 oz. Pump    043318130366  1 Gallon w/ Dilution Bottle 043318000669
2 oz. Pump    043318131035  1 Gallon    043318000799
4 oz. Pump    043318130014  1 Gallon w/ Dilution Bottle 043318001383
16 oz. Trigger 043318130021  1 Gallon w/ Dilution Bottle 043318002021
22 oz. Trigger 043318130229  1 Gallon    043318130052
24 oz. Trigger, 12 per case 043318000034  1 Gallon w/ Dilution Bottle, 112 per case 043318480140
24 oz. Trigger 043318000030  1 Gallon w/ Dilution Bottle, 4 per case 043318480416
24 oz. Trigger 043318130137  1 Gallon w/ Dilution Bottle, 24 per case 043318480492
32 oz. Trigger 043318000062  1 Gallon w/ laundry 043318002052
32 oz. Trigger 043318130335  1 Gallon w/ towel 043318001222
67.6 oz       043318000393  140 oz.   043318001390
67.6 oz.      043318130144  140 oz., 168 per case 043318561405
1 Gallon w/ Dilution Bottle 043318000539  140 oz. w/ Dilution Bottle 043318001468
1 Gallon w/ Dilution Bottle 043318000645

USA items listed only. Not all items listed. USA items may not be valid for international sale.
Section 16: OTHER INFORMATION - continued

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: Revised SDS layout

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.