Section 1: IDENTIFICATION

Product Name: Simple Green® Bike Cleaner & Degreaser (aerosol)

Additional Names: *Please refer to Section 16

Recommended Use: Cleaner for bikes and bike accessories.

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 regulated under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200). This product has been classified and labeled in accordance with the CPSC Federal Hazardous Substances Act (16 CFR 1500).

OSHA HCS 2012

Label Elements
Signal Word: Not Determined
Hazard Symbol(s)/Pictogram(s): Not Determined

Hazard Statements: Not Determined
Precautionary Statements: Not Determined
Hazards Not Otherwise Classified (HNOC): Not Determined
Other Information: None Known

CPSC FHSA

Emergency Overview: CAUTION. Contents under pressure. Irritant. May Irritate eyes. This is a clear liquid (white foam) with a detergent odor in an aerosol delivery can. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. 
Refer to Section 4 and 11 for health hazard identification.

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; 82%*</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>Butane</td>
<td>106-97-8</td>
<td>3.7%*</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1.3%*</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: Causes eye irritation. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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


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 flames/hot surfaces. No smoking. Do not pierce or burn, even after use. 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. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:

<table>
<thead>
<tr>
<th></th>
<th>TWA/PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butane</td>
<td>800 ppm; 1900 mg/m³</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>1000 ppm; 1800 mg/m³</td>
<td>1250 ppm</td>
</tr>
</tbody>
</table>

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: White Foam
Odor: No added odor
Odor Threshold: Not determined
pH: 10.5 – 11.5
Freezing Point: 0°C (32°F)
Boiling Point & Range: 101°C (213.8°F)
Flash Point: > 212°F
Evaporation Rate: Not determined
Flammability (solid, gas): Not applicable
Upper/Lower Flammability or Explosive Limits: Not applicable
Vapor Pressure: Not determined
Vapor Density: Not determined

Partition Coefficient: n-octanol/water: Not determined
Autoignition Temperature: Non-flammable
Decomposition Temperature: 109°F
Viscosity: Not determined
Specific Gravity: 1.00 – 1.02
VOCs: **Water & fragrance exemption in calculation
SCAQMD 304-91 / EPA 24: Not tested
CARB Method 310**: 52 g/L 0.451 lb/gal 5.2%
SCAQMD Method 313: Not tested
VOC Composite Partial Pressure: Not determined
Relative Density: 8.34 – 8.44 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 - Causes eye 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

Skin Corrosion/Irritation: No ingredients trigger or classify under this category.
Eye Damage/Irritation: Causes eye irritation (GHS hazard category 2B)
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: Not tested on finished formulation.
Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Based on similar formulations, foam is expected to be readily biodegradable.
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: Dispose of in accordance with local regulations.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.
Section 14: TRANSPORT INFORMATION

U.N. Number: 1950  
U.N. Proper Shipping Name: Aerosol  
Transport Hazard Class(es): 2.2  
Packing Group: none  
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.

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): Butane (106-97-8) CAA 112(r) TQ 10,000 lbs  
Propane (74-98-6) CAA 112 (r) TQ 10,000 lbs  
Clean Water Act (CWA): Not applicable  
State Right To Know Lists: Butane (106-97-8) Massachusetts, New Jersey, Pennsylvania  
Propane (74-98-6) Massachusetts, New Jersey, Pennsylvania  
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  
Butane 106-97-8 1000 ppb, 2375 µg/m³ long term 10000 ppb, 23750 µg/m³ short term

Section 16: OTHER INFORMATION

Size UPC  
20 oz. 043318600203  
USA items listed only. Not all items listed. USA items may not be valid for international sale.

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

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.  
This SDS has been revised in the following sections: Update to VOC

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.