Section 1: IDENTIFICATION

Product Name: Simple Green® Foaming Coil Cleaner (aerosol)

Additional Names: *Please refer to Section 16

Manufacturer’s Part Number: 

Recommended Use: Cleaner/Degreaser for use on air conditioner coils, refrigerator coils, grills, vents, electronic filters, and other similar delicate metal surfaces.

Restrictions on Use: Do not use on non-rinsable surfaces or over asphalt 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

Section 2: HAZARDS IDENTIFICATION

This product is classified as hazardous (Compressed Gas; Eye Corrosive/Irritant - Category 2B) under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

OSHA HCS 2012 Label Elements

Signal Word: Warning

Hazard Symbol(s)/Pictogram(s):

Hazard Statements:
H280 – Contains gas under pressure; may explode if heated.
H320 – Causes eye irritation.

Precautionary Statements:
P410 + P403 – Protect from sunlight. Store in a well-ventilated place.
P264 – Wash hands thoroughly after handling.
P305 + P351 + P338 – IF IN EYS: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention.

Hazards Not Otherwise Classified (HNOC): Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Other Information:
P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251 – Do not pierce or burn, even after use.
P410 + P412 – Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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>Triethanolamine</td>
<td>102-71-6</td>
<td>&lt; 5%*</td>
</tr>
<tr>
<td>Ethoxylated Alcohol</td>
<td>68439-46-3</td>
<td>&lt; 5%*</td>
</tr>
<tr>
<td>Propylene Glycol n butyl ether</td>
<td>5131-66-8</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Tetrapotassium Pyrophosphate</td>
<td>7320-34-5</td>
<td>&lt; 1%*</td>
</tr>
<tr>
<td>Potassium Silicate</td>
<td>1312-76-1</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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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: Triethanolamine (102-71-6) 5 mg/m^3 PEL California Diethanolamine (111-42-2) 3 ppm TWA; 15 mg/m^3 TWA Connecticut, Michigan, Minnesota, OSHA, Tennessee, Vermont, Washington 0.46 ppm PEL; 2 mg/m^3 PEL California Butane (106-97-8) 800 ppm; 1900 mg/m^3 TWA Washington Propane (74-98-6) 1000 ppm; 1800 mg/m^3 TWA 1250 ppm STEL

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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Partition Coefficient: n-octanol/water:</th>
<th>Not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>White Foam</td>
<td>Autoignition Temperature:</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Odor:</td>
<td>No added odor</td>
<td>Decomposition Temperature:</td>
<td>109°F</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not determined</td>
<td>Viscosity:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH:</td>
<td>9.71 – 10.71</td>
<td>Specific Gravity:</td>
<td>0.97 – 1.02</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>0°C (32°F)</td>
<td>VOCs:</td>
<td>Not tested</td>
</tr>
<tr>
<td>Boiling Point &amp; Range:</td>
<td>98°C (210°F)</td>
<td>SCAQMD 304-91 / EPA 24:</td>
<td>Not tested</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt; 212°F</td>
<td>CARB Method 310**:</td>
<td>&lt;55 g/L</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Not determined</td>
<td>SCAQMD Method 313:</td>
<td>&lt;0.459 lb/gal</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not applicable</td>
<td>**Water &amp; fragrance exemption in calculation</td>
<td>&lt;5.5%</td>
</tr>
<tr>
<td>Upper/Lower Flammability or Explosive Limits:</td>
<td>Not applicable</td>
<td>VOC Composite Partial Pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>Not determined</td>
<td>Relative Density:</td>
<td>8.14 – 8.49 lb/gal</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Not determined</td>
<td>Solubility:</td>
<td>100% in water</td>
</tr>
</tbody>
</table>

**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

*Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals*

**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:** Volume of ingredients does not trigger or classify under this category. This product contains trace amounts of Diethanolamine (IARC 2B and ACGIH A3)

**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
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 – Diethanolamine (111-42-2) < 0.01%
Sections 302 – Not applicable.

Clean Air Act (CAA): Triethanolamine (102-71-6), Diethanolamine (111-42-2), Propylene Glycol Butyl Ether (5131-66-8)
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

CERCLA: Diethanolamine (111-42-2) 100 lb RQ

State Right To Know Lists: Triethanolamine (102-71-6) Massachusetts, New Jersey, Pennsylvania
Diethanolamine (111-42-2) Massachusetts, New Jersey, Pennsylvania
Butane (106-97-8) Massachusetts, New Jersey, Pennsylvania
Propane (74-98-6) Massachusetts, New Jersey, Pennsylvania
Section 15: REGULATORY INFORMATION – continued - continued

**California Proposition 65:** Diethanolamine (111-42-2) <0.01%

**Texas ESL:**
- Triethanolamine: 102-71-6, 5 µg/m³ long term, 50 µg/m³ short term
- Ethoxylated Alcohol: 68439-46-3, 60 µg/m³ long term, 600 µg/m³ short term
- Propylene Glycol Butyl Ether: 5131-66-8, 73 µg/m³ long term, 730 µg/m³ short term
- Tetrapotassium Pyrophosphate: 7320-34-5, 5 µg/m³ long term, 50 µg/m³ short term
- Potassium Silicate: 1312-76-1, 5 µg/m³ short term
- Diethanolamine: 111-42-2, 1 µg/m³ long term, 10 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

<table>
<thead>
<tr>
<th>Size</th>
<th>Item Number</th>
<th>UPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 oz.</td>
<td>0100000113418 &amp; 0180100113418</td>
<td>043318001802</td>
</tr>
<tr>
<td>20 oz., 12 per case</td>
<td>0110001213418 &amp; 0180101213418</td>
<td>043318001802</td>
</tr>
</tbody>
</table>

*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:** Correction to temperature conversion in section 9

**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.