1 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Product Identifier: Simple Green® All-Purpose Cleaner
Manufacturer Numbers: Please See Section 16

Relevant identified uses of mixture: Cleaning/Degreasing agent for all rinsable surfaces.
Relevant identified uses advised against: Surfaces not tolerant to degreasing agents, non-rinsable surfaces.

Company: Sunshine Makers Inc.
15922 Pacific Coast Highway
Huntington Beach, California 92649
USA

Telephone: +1 562 795 6000 (M-F, PST, 8am – 5pm)
Fax: +1 562 592 3034
Email: info@simplegreen.com

Emergency Telephone: Chem Tel (24 hr, International) - +1-813-248-0585

2 HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classifiable as hazardous under CLP.

Label Elements
Signal Word: None
Hazard Statements: None
Precautionary Statements: None

Supplemental Hazard Information: EUH208: Contains Methylchloroisothiazolinone and Methylisothiazolinone. May produce an allergic reaction.

Other Hazards: None known.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>EC No.</th>
<th>Index No.</th>
<th>REACH No.</th>
<th>% weight</th>
<th>Name</th>
<th>Classification According to (EC No 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>68439-46-3</td>
<td>614-482-0</td>
<td>-</td>
<td>exempt</td>
<td>1 - 5%</td>
<td>C9-11 Ethoxylated Alcohol Eye Dam. 1 - H318</td>
<td></td>
</tr>
<tr>
<td>68-04-2</td>
<td>200-75-3</td>
<td>-</td>
<td>01-2119457027-40</td>
<td>1 - 5%</td>
<td>Sodium Citrate Not classified</td>
<td></td>
</tr>
<tr>
<td>51981-21-6</td>
<td>257-573-7</td>
<td>-</td>
<td>01-211943601-38</td>
<td>1 - 5%</td>
<td>Tetrasodium N,N-bis(carboxymethyl)-L-glutamate Not classified</td>
<td></td>
</tr>
<tr>
<td>497-19-8</td>
<td>207-838-8</td>
<td>011-005-00-2</td>
<td>01-2119485498-19</td>
<td>1 - 5%</td>
<td>Sodium Carbonate Eye Irr. 2 - H319</td>
<td></td>
</tr>
<tr>
<td>77-92-9</td>
<td>201-069-1</td>
<td>-</td>
<td>01-2119457026-42</td>
<td>0,1 – 1%</td>
<td>Citric Acid Not classified</td>
<td></td>
</tr>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>-</td>
<td>Pre-registered</td>
<td>0,1 – 1%</td>
<td>Colorant Not classified</td>
<td></td>
</tr>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>-</td>
<td>Pre-registered</td>
<td>0,1 – 1%</td>
<td>Fragrance Not classified</td>
<td></td>
</tr>
<tr>
<td>55965-84-9</td>
<td>-</td>
<td>613-167-00-5</td>
<td>exempt</td>
<td>&lt;0,0015%</td>
<td>Isothiazolinone mixture Acute Tox. 3 – H301, H311</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute to Skin Corr. 1B – H314</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. – H317</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1 – H400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1 – H410</td>
<td></td>
</tr>
</tbody>
</table>

For full text of H statements and symbols see section 16

4 FIRST AID MEASURES

General Notes: No expected hazards.

Following Inhalation: Move to fresh air in case of inhalation overexposure. If coughing or irritation persists consult a physician.

Following Skin Contact: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.

Following Eye Contact: Wash with water. If redness, swelling or persistent irritation occurs consult a physician.
4 FIRST AID MEASURES - continued

Following Ingestion: Clean mouth with water. Drink plenty of water. Do not induce vomiting. If you feel unwell seek medical advice immediately.
Self-protection of the first aider: Treat symptomatically.
Acute effects: None known or expected.
Delayed effects: None known or expected.
Immediate medical attention / special treatment: None needed.

5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or “alcohol” foam.
Unsuitable Extinguishing Media: High volume water Jet.
Hazardous combustion products: No hazards or reactions expected.
Advice for firefighters: No special equipment needed for this product. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6 ACCIDENTAL RELEASE MEASURES

Non-Emergency Personal Protective Equipment: Safety Goggles are recommended if splashing or spray is likely.
Emergency Procedures: For small and large spills, wipe with absorbent material or soak with absorbent material and dispose of properly – see section 13
Emergency Responders: See instructions above.
Environmental Precautions: Do not allow into open waterways and ground water systems. Local authorities should be advised if significant spills cannot be contained.
Methods for containment: Dike or divert spill from access to open waterways, or capping of drains.
Methods for cleaning up: Soak up with inert absorbent material (i.e. sand).
Other information: Refer to section 13 for appropriate disposal.

7 HANDLING AND STORAGE

Precautions for safe handling
Protective Measures: Avoid spray back and splashing. Keep container tightly closed when not in use.
Measures to prevent fire: Not applicable. Non flammable liquid.
Measure to prevent aerosol and dust generation: Not applicable.
Measures to protect environment: Avoid spills and keep away from drains.
Advice on general occupational hygiene: Do not eat, drink and smoke in work area. Wash hands after using. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities
Technical Measures and storage conditions: Store in cool dry area. Keep container tightly closed.
Packing Materials: Suitable for storage in HDPE and PET plastics.
Requirements for storage rooms and vessels: Do not allow to freeze or overheat.
Storage Class - Further information on storage conditions: Germany - LGK 12 (TRGS 510).
Specific End Uses - Recommendations: Cleaner / Degreaser used manually or with pressure washers and parts washers.
Specific End Uses - Industrial sector specific solutions: See above
8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values:  
- Sodium Carbonate (497-19-8) – Czech Republic: 10 mg/m³ Ceiling; 5 mg/m³ TWA  
- Sodium Carbonate (497-19-8) – Romania: 3 mg/m³ STEL; 1 mg/m³ TWA  
- Preservative (55965-84-9) – Austria: 0,05 mg/m³ TWA  

Exposure Controls  
**Appropriate Engineering Controls**: Avoid spray back and splashing. Keep container tightly closed when not in use.  
**Personal Protection Equipment**:  
- **Eye and Face Protection**: If splashing is likely use protective glasses or goggles.  
- **Skin Protection - Hands**: Not needed. Extended usage with dermally sensitive individuals may require nitrile gloves.  
- **Skin Protection – Other skin protection**: Not needed.  
- **Respiratory Protection**: Not needed. In case of insufficient ventilation, wear suitable respiratory equipment.  
- **Thermal Hazards**: Not needed.  

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

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance: Green Liquid</td>
<td>Vapour Density: Not tested</td>
</tr>
<tr>
<td>Odor: Added Sassafras Odor</td>
<td>Relative Density ASTM D-4017: 1,025 g/ml</td>
</tr>
<tr>
<td>Odor Threshold: Not determined</td>
<td>Solubility: 100% in water</td>
</tr>
<tr>
<td>pH ASTM D-1293: 8,5 – 9,5</td>
<td>Partition Coefficient: Not tested</td>
</tr>
<tr>
<td>Freezing Point ASTM D-1177: 0 – 3,33°C (32 - 38°F)</td>
<td>Auto-Ignition Temperature: None, see flash point</td>
</tr>
<tr>
<td>Boiling Point ASTM D-1120: 101°C (213,8°F)</td>
<td>Decomposition Temperature: Not tested</td>
</tr>
<tr>
<td>Flash Point ASTM D-93: None</td>
<td>Viscosity: Not tested</td>
</tr>
<tr>
<td>Evaporation Rate: Not tested</td>
<td>Explosive Properties: None, see flash point</td>
</tr>
<tr>
<td>Flammability: None, see flash point</td>
<td>Oxidizing Properties: None, contains no oxidizers</td>
</tr>
<tr>
<td>Vapour Pressure: Not determined</td>
<td>VOCs CARB Method 310: 0,25%</td>
</tr>
<tr>
<td>Upper/Lower Flammability or explosive limits: Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

**Reactivity**: Not reactive.  
**Chemical Stability**: Under storage at normal ambient temperatures (minus 40°C to + 40°C), the product is stable.  
**Possibility of Hazardous Reactions**: No known hazardous reactions.  
**Conditions to avoid**: Excessive heat, light or freezing temperatures.  
**Incompatible Materials**: Materials susceptible to degreasing agents.  
**Hazardous decomposition products**: No known hazardous decomposition products.

11 TOXICOLOGICAL INFORMATION

**Acute Toxicity (for mixture)**:  
- Oral (LD₅₀, rat, mg/kg): > 5000¹  
- Dermal (LD₅₀, rat, mg/kg): > 5000¹  
- Inhalation (LC₅₀, rat, mg/l/4h): Contains no ingredients classifiable in this category  

**Skin Corrosion /Irritation**: Non-irritant per Dermal Irritation® assay modeling. No animal testing performed.  
**Serious Eye damage/Irritation**: Non-irritant per Ocular Irritation® assay modeling. No animal testing performed.  
**Respiratory or skin sensitization**: No.²  
**Germ cell mutagenicity**: No.²  
**Carcinogenicity**: No.²  
**Reproductive toxicity**: No.²  
**Summary of evaluation of CMR properties**: Mixture and ingredients are not classifiable according to CLP in this category.  
**STOT-single exposure**: No.²  
**STOT-repeated exposure**: No.²  

SDS ID# 72301-17A
11 TOXICOLOGICAL INFORMATION - continued

1 calculated via (EC) No 1272/2008 on Classification, Labelling and Packaging of substances and mixtures. No animal testing performed.
2 Mixture, based on ingredients, is not classifiable according to CLP in this category.

12 ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Acute</th>
<th>Chronic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish:</td>
<td>Aquatic Toxicity – Low, based on OECD 201, 202, 203 + Microtox: EC_{50} &amp; IC_{50} ≥100 mg/L.</td>
<td>Fish: Not tested</td>
</tr>
<tr>
<td>Crustacea:</td>
<td>Not tested</td>
<td>Crustacea: Not tested</td>
</tr>
<tr>
<td>Algae/aquatic plants:</td>
<td>Not tested</td>
<td>Algae/aquatic plants: Not tested</td>
</tr>
<tr>
<td>Other organisms:</td>
<td>Not tested</td>
<td>Other organisms: Not tested</td>
</tr>
</tbody>
</table>

Persistence and degradability:
- Abiotic Degradation: Surfactant degrades abiotically
- Biodegradation: Readily Biodegradable per OECD 301D, Closed Bottle Test.

Bioaccumulative potential:
- Partition coefficient n-octanol/ water (log Kow): Not assessed
- Bioconcentration factor (BCF): Not assessed

Mobility in soil:
- Known or predicted distribution to environmental compartments: Unknown
- Surface Tension: Not tested
- Adsorption/Desorption: Not tested

Results of PBT and vPvB assessment:
- Contains no ingredients known as PBT or vPvB.

Other adverse effects:
- Unknown

Additional Information:
- None

13 DISPOSAL CONSIDERATIONS

Unused and Used liquid disposal: May be considered hazardous in your area depending on usage and tonnage of disposal – check product IDS and with local, national and European waste management legislation for appropriate methods of disposal. Waste should not be disposed of by release to sewers.

Empty Container disposal: Triple rinse plastic bottles and offer all up for recycling.

Never dispose of mixtures into lakes, streams, and open bodies of water or storm drains.
Be sure to follow any National or Regional provisions that may be in force.

14 TRANSPORTATION INFORMATION

DOT / TDG: Not classified as hazardous.
IMO / IDMG: Not classified as hazardous.
ICAO-TI/ IATA-DGR: Not classified as hazardous.
ADR / RID / ADN: Not classified as hazardous.
ADN tank vessels: Not classified as hazardous.

UN Number: Not applicable
UN Proper Shipping Name: Cleaning Compound, Liquid NOI
Transport Hazard Class(es): Non-Hazardous
NMFC#48580-3
Packing Group: Not applicable
Class 55
Environmental Hazards: Not applicable

Special Precautions for User: Check section 3, section 7 and IDS for ingredient classification
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

**Detergent Regulation 648/2004/EC:** Please see separate IDS for full ingredient disclosure

**Germany – Water Classification**
- Sodium Carbonate (497-19-8) – ID Number 222, Hazard Class 1
- Ethoxylated Alcohol (68439-46-3) – ID Number 670, Hazard Class 2
- Citric Acid (77-92-9) – ID Number 57, Hazard Class 1
- Preservative (55965-854-9) – ID Number 2959, Hazard Class 3

**Russia:** Citric Acid (77-92-9) 0.1 mg/m³ MAC

**Additional Markings:** None.

**VOC Content:** 0.25% (2,5 g/L) in concentrate

**Chemical Safety Assessment:** No chemical safety assessment has been carried out for this mixture by the supplier.

### 15 REGULATORY INFORMATION

**Abbreviations**
- H301 – Toxic if swallowed
- H311 – Toxic in contact with skin
- H314 – Causes sever skin burns and eye damage
- H317 – May cause an allergic skin reaction
- H318 – Causes serious eye damage
- H319 – Causes serious eye irritation
- H400 – Very toxic to aquatic life.
- H410 – Very toxic to aquatic life with long lasting effects.

**Classification according to Regulation (EC) Nr. 1272/2008**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not classifiable under this regulation</td>
<td>InVitro Irritection Test Data and Calculation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manufacturer Numbers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>473 mL</td>
</tr>
<tr>
<td>500 mL</td>
</tr>
<tr>
<td>946 mL</td>
</tr>
<tr>
<td>946 mL</td>
</tr>
<tr>
<td>1 L</td>
</tr>
<tr>
<td>1 L</td>
</tr>
<tr>
<td>10 L</td>
</tr>
<tr>
<td>208 L</td>
</tr>
</tbody>
</table>

The statements in this Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product’s properties. They must neither be altered nor transferred to other products.

**Date of Issue:** 09.02.2017

**Replaces Data Sheet of:** 01.06.2015

**Indication of changes:** Updated Storage Class

**Responsible Party for SDS:** Simple Green Research & Development Department, info@simplegreen.com