

**Section 1: PRODUCT & COMPANY IDENTIFICATION**

Product Name: Lemon Scent Simple Green® All-Purpose Cleaner  
Lemon Scent Simple Green® All-Purpose Wipes

Company: Sunshine Makers, Inc.  
15922 Pacific Coast Highway  
Huntington Harbour, CA 92649 USA

Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

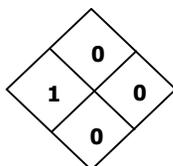
Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Use of Product: An all purpose cleaner and degreaser used undiluted or diluted with water for direct, spray and dip procedures. [Wipes are for direct-wipe applications. Data given is for fluid on wipe, not wipe substrate.]

**Section 2: HAZARDS IDENTIFICATION**

**Emergency Overview: CAUTION. Mild eye irritant.**

**Lemon Scent Simple Green® is a yellow liquid with a lemon odor. Wipes are infused with a clear liquid and lemon odor.**

**HMIS Rating:**

Health = 1 = slight

Fire = 0

Reactivity, and Special = 0 = minimal

**Eye Contact:** Mild Eye Irritant.

**Skin Contact:** No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.

**Ingestion:** May cause stomach or intestinal upset if swallowed (due to deterative properties.)

**Inhalation:** No adverse effects expected under typical use conditions. Adequate ventilation should be present when using Lemon Scent Simple Green® over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary.

**Carcinogens:** No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

**Medical Conditions:** No medical conditions are known to be aggravated by exposure to Lemon Scent Simple Green®. Dermal-sensitive users may experience mild but reversible reactions.

**UN Number:** Not Required

**Dangerous Goods Class:** Non-hazardous

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

The only ingredient of Lemon Scent Simple Green® with established exposure limits is undiluted 2-butoxyethanol (<4%) (Butyl Cellosolve; CAS No. 111-76-2) [>1% in wipes]: the ACGIH TLV-TWA is 20 ppm (97 mg/m<sup>3</sup>). Based upon chemical analysis, Lemon Scent Simple Green® contains no known EPA priority pollutants, heavy metals or chemicals listed under RCRA, CERCLA, or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents.

All components of Lemon Scent Simple Green® are listed on the TSCA Chemical Substance Inventory.

**Section 4: FIRST AID MEASURES**

- Eye Contact:** Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.
- Skin Contact:** Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
- Swallowing:** Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation:** Non-toxic. Exposure to concentrate may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.

**Section 5: FIRE FIGHTING MEASURES**

**Lemon Scent Simple Green® is stable, not flammable, and will not burn. No special procedures required.**

- Flash Point/Auto-Ignition:** Not flammable.                      **Extinguishing Media:** Not flammable/non-explosive.  
**Flammability Limits:** Not flammable.                      **Special Fire Fighting Procedures:** None required.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid contact with eyes. Do not rub eyes with hands during cleanup. No special precautions for dermal contact are needed. Wash hands thoroughly after cleaning up spill or leak.

**Method for cleaning up:** Recover usable material by convenient method, residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

**Section 7: HANDLING AND STORAGE**

No Special precautions are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** Lemon Scent Simple Green® requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

- UN Number:** Not Required    **Dangerous Goods Class:** Non-hazardous

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Exposure Limits:** The Lemon Scent Simple Green® formulation presents no health hazards to the user when used according to label directions for its intended purposes. Mild skin and eye irritation is possible (please see Eye contact and Skin contact in section IV.) No special precautionary measures required under normal use conditions.
- Ventilation:** No special ventilation, precautions or respiratory protection is required during normal use. Large-scale use indoors should provide an increased rate of air exchange.
- Human Health Effects or Risks From Exposure:** Adverse effects on human health are not expected from Lemon Scent Simple Green®, based on 20 years of use of Simple Green® without reported adverse health incidence in diverse population groups, including extensive use by inmates of U.S. Federal prisons in cleaning operations.
- Eye protection:** Lemon Scent Simple Green® is a mild eye irritant; mucous membranes may become irritated by concentrate. Eye protection not generally required. Wash hands after using wipes.
- Skin protection:** Lemon Scent Simple Green® is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact on the skin may lead to temporary, but reversible, irritation. Rinse completely from skin after contact.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION – continued –**

General hygiene conditions: There are no known hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common good industrial hygiene practices:

- Avoid breathing vapor or mist.
- Avoid contact with eyes.
- Wash thoroughly after handling and before eating, drinking, or smoking.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance &amp; Odor:</b> Cleaner is a yellow liquid; Wipes are infused with a clear liquid; both have a lemon fragrance			
<b>Specific Gravity:</b>	1.020	<b>Vapor Pressure:</b>	18 mm Hg @ 20°C; 23.5 mmHg @ 26°C
<b>Evaporation:</b>	>1 (butyl acetate = 1)	<b>Vapor Density:</b>	1.3 (air = 1)
<b>Water Solubility:</b>	100%	<b>Density:</b>	8.5 lbs/gallon
<b>Boiling Point:</b>	100.6°C (212°F)	<b>pH:</b>	9.5 ± 0.3                      Wipe pH is 8.1 - 8.8
<b>Ash Content:</b>	At 600°F: 1.86% by weight	<b>Nutrient Content:</b>	
<b>Freezing Point:</b>	Approx -9 °C (16 °F) <i>If product freezes, it will reconstitute without loss of efficacy when brought back to room temperature and agitated.</i>	Phosphorus: 0.3% by formula Nitrogen <1.0% by weight (fusion and qualitative test for ammonia) Sulfur: 0.6% by weight (barium chloride precipitation method)	
<b>VOC Composite Partial Pressure:</b> 0.006 mmHg @ 20°C			
<b>Volatile Organic Compounds (VOCs):</b>		Cleaner meets CARB & BAAQMD regulations. Cleaner must be diluted 1:1 with water to Meet SCAQMD Rule 1171 & Rule 1122 VOC requirements for solvent cleaning operations.	
CARB Method 310	3.8% <i>Wipes &lt;1%</i>		
SCAQMD Method 313	2.8% <i>Wipes &lt;1%</i>		

**Section 10: STABILITY AND REACTIVITY**

Stability: Stable  
 Materials to Avoid: None known  
 Hazardous Decomposition Products: None expected

**Section 11: TOXICOLOGICAL INFORMATION**

Toxicology information is based on chemical profile of ingredients and extrapolation of data from similar formulas. No animal testing has been conducted on this product.

Acute Toxicity: Oral LD<sub>50</sub> (rat) >5 g/kg body weight\*                      \*Calculation from OECD Section 33, Chapter 3.2  
 Dermal LD<sub>50</sub> (rabbit) >2 g/kg body weight

Eye Irritation: Moderate / Mild reversible eye irritation may occur based on relevant laboratory studies. This potential is reduced by immediate rinsing of eyes in case of eye contact.

Dermal Irritation: Mild, reversible skin irritation may occur based on relevant laboratory studies. A 6-hour exposure to human skin under a patch did not produce irritation

Repeat Exposure Via Skin Contact: Based on relevant laboratory studies, no toxic effects are expected to be associated with daily skin exposures (with up to 2 g/kg/day tested for 13 weeks on rabbits). Skin irritation may, however, occur with repeated or prolonged exposures.

Reproductive Effects Assessment: Based on Relevant laboratory studies (CD-1 mouse 18-week fertility assessment continuous breeding), no adverse effects on reproduction, fertility, or health of offspring are expected.

## Section 12: ECOLOGICAL INFORMATION

**Hazard to wild animals & aquatic organisms:** Low, based on toxicological profile.

**Biodegradability:** Readily biodegradable based on biodegradation profile.

**Environmental Toxicity Information:** It is important not to allow the runoff from cleaning into closed systems such as decorative ponds. Always protect closed systems with tarps or dikes if necessary.

## Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal laws. Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

## Section 14: TRANSPORT INFORMATION

This product is non-hazardous for transport according to the U.S. Department of Transportation Services  
UN Number: Not required Dangerous Goods Class: Nonhazardous

## Section 15: REGULATORY INFORMATION

All components are listed on: EINECS and TSCA Inventory

SARA: This material contains 2-Butoxyethanol, <4%, (CAS# 111-76-2) which is subject to the reporting requirements of Section 313 of SARA Title III and 49 CFR Part 373.

No components listed under: Clean Air Act Section 112

RCRA Status: Not a hazardous waste. CERCLA Status: No components listed

TSCA TRI Reporting: Not required / Not listed CA PROP. 65 Status: No components listed

## Section 16: OTHER INFORMATION

Questions about the information found on this MSDS should be directed to:  
SUNSHINE MAKERS, INC. – TECHNICAL DEPARTMENT  
15922 Pacific Coast Hwy. Huntington Harbour, CA 92649

*Phone:* 800/228-0709 [8am-5pm Pacific time, Mon-Fri] *Fax:* 562/592-3830 *Email:* infoweb@simplegreen.com

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