

**View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16****SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

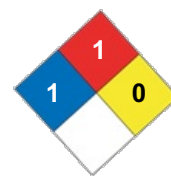
(N/A)

**Product Name:** **Foaming Crystal Simple Green Industrial Cleaner/Degreaser****Manufacturer Name:** Sunshine Makers, Inc.**Address:** 15922 Pacific Coast Highway  
Huntington Harbour, CA 92649  
USA**Emergency Phone:** Chem-Tel 24-Hour Emergency Service:  
800-255-3924**General Use:**

Use of Product: A Ready-To-Use cleaning and degreasing foam for use on a variety of surfaces including vertical and hard to reach areas. For use on ovens, range-hoods, vents, tires, wheels, tools, counters, grease and oil stains, stove-tops, refrigerators, sinks, showers, tubs, tile, toilets, fiberglass, canvas, recreational and sports equipment, trash cans and more.

**Email:** infoweb@simplegreen.com**Business Phone:** 800-228-0709, 562-795-6000**Business Fax:** 562-592-3830**Hours Of Operation:** [8am-5pm Pacific time, Mon-Fri]**Revision Date:** March 2008  
Version No.: 1901008A**Trade Names:** Foaming Crystal Simple Green® Industrial Cleaner/Degreaser  
Additional Names: Foaming Simple Green®

ANSI-Z400.1-2003 Format

**NFPA Rating:**  
Level 1 (aerosol)**Product Codes:** 19010 - 20 ounce can**NFPA****HMIS**

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	

[To Top of page](#)**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

(N/A)

Ingredient Name	CAS#	Ingredient Percent
2-Butoxyethanol, Glycol Ether EB ACGIH TLV TWA: 20 ppm, (97 mg/m3) EC Index Number: 1  Comments: Reportable Components  Vapor Pressure: 0.6 mmHg @ 68 deg C	111-76-2	< 5% by Weight
Butane OSHA PEL TWA: 800 ppm ACGIH TLV TWA: 800 ppm EC Index Number: 1  Comments: Reportable Components  Vapor Pressure: 1640 mmHg @ 68 deg C	106-97-8	4% by Weight
Propane OSHA PEL TWA: 1000 ppm ACGIH TLV TWA: ASPHYXIA EC Index Number: 1  Comments: Reportable Components  Vapor Pressure: 6350 mmHg @ 68 deg C	74-98-6	1% by Weight

\* Note, based upon chemical analysis Foaming 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.

[To Top of page](#)**SECTION 3 : HAZARDS IDENTIFICATION**

(N/A)

Emergency Overview: CAUTION. Mild eye irritant.  
Physical State: Foaming Simple Green® is a liquid  
Color: Colorless  
Odor: A very faint detergent-like odor.  
NFPA:  
Health = 1  
Fire = 1  
Reactivity = 0  
Specific = 0  
  
HMIS Rating:  
Health = 1 = slight  
Fire = 1  
Reactivity, and Special = 0 = minimal  
  
NFPA Rating:  
Level 1 (aerosol)

**Applies to All Ingredients :**

**Potential Health Effects:**

Eye Contact: Eye Irritant (due to defatting effects.)  
Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure to concentrate may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.  
  
Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using Foaming Simple Green® over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary.  
  
Ingestion: May cause stomach or intestinal upset if swallowed (due to detergent properties.)  
  
Carcinogenicity: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.  
  
Aggravation of Pre-Existing Conditions: No medical conditions are known to be aggravated by exposure to Foaming Simple Green®.

[To Top of page](#)



**SECTION 4 : FIRST AID MEASURES**

: (N/A)

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.  
  
Inhalation: Intentional concentration of propellant could cause respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination. Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.  
  
Ingestion: Swallowing: Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.

[To Top of page](#)



**SECTION 5 : FIRE FIGHTING MEASURES**

: (N/A)

Extinguishing Media: Extinguishing medium as appropriate for combustibles in area.  
Fire Fighting Instructions: Foaming Simple Green® contains a flammable propellant and firefighters should wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition if possible. Keep containers cool with water spray to prevent rupture. Ventilate area. Contain spill and dike if possible. For leaks and spills that have not ignited, water spray can be used to disperse the flammable vapor and protect personnel attempting to stop the leak. Do not use direct stream of water because the flammable portion will float and can be reignited.  
  
Unusual Fire Hazards: Firefighters should wear SCBA's in a positive pressure mode with full-face shield. The flammable components are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition as vapor.  
  
NOTE: Per the DOT Flame Extension Test, Foaming Simple Green® did not produce a flame projection or flashback.

[To Top of page](#)



**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

: (N/A)

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.  
  
Spill Cleanup Measures: Recover all reusable material. Rinse area with plenty of water and mop to sanitary sewer.  
  
Procedure to follow in case of spill or leak: Evacuate area. Extinguish all ignition sources. Ventilate area especially low places where heavy vapors might collect.

[To Top of page](#)



**SECTION 7 : HANDLING and STORAGE**

: (N/A)

Handling: Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can.  
  
Storage: Store in tightly sealed containers. Keep away from heat, sparks, open flame and out of direct sunlight. Store below 120 deg F.

Hygiene Practices:	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.
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[To Top of page](#)



## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION : (N/A)

Ventilation System:	No special ventilation is required during normal use. No special precautions or respiratory protection required under normal use conditions. Use exhaust ventilation if necessary to keep airborne concentrations below exposure limits.
Personal Protective Equipment Routine Handling:	Human Health Effects or Risks From Exposure: Adverse effects on human health are not expected from Foaming Simple Green®. Foaming Simple Green® is a mild eye irritant; mucous membranes may become irritated by concentrate-mist. Foaming 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 of Foaming Simple Green®.
Skin Protection Description:	Gloves or other skin protection are generally not needed under normal use conditions of Foaming Simple Green®. Prolonged or repeated skin exposure over long periods of time, pre-existing skin conditions such as dermatitis, or allergic response to contact with the product may warrant the use of gloves, barrier creams, chemical aprons or other skin protection.
Eye/Face Protection:	Wear chemical splash goggles or face shield when eye contact is possible due to splashing or spraying Foaming Simple Green®.
Exposure Limits:	The Foaming Simple Green® formulation presents no health hazards to the user, other than mild eye irritancy. No special requirements or precautionary measures needed under normal use conditions.
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.

[To Top of page](#)



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES : (N/A)

Physical State/Appearance:	Foam
Color:	White
Odor:	Mild soap odor
pH:	9.35
Vapor Pressure:	18 mm Hg @ 20 deg C
Boiling Point:	100.6 deg C
Solubility:	Water: 100%
Specific Gravity:	1.025 ± 0.015
Volatile Organic Compound Content:	< 10% per formula calculation

[To Top of page](#)



## SECTION 10 : STABILITY and REACTIVITY : (N/A)

Chemical Stability:	Stable.
Incompatibilities with Other Materials:	Materials to Avoid: None known.
Hazardous Decomposition Products:	None expected.

[To Top of page](#)



## SECTION 11 : TOXICOLOGICAL INFORMATION : (N/A)

### [Applies to All Ingredients :](#)

Skin Effects:	Nonhuman Toxicity (data for Simple Green□): Acute Toxicity: Dermal LD50 (rabbit): > 2.0 g/kg body weight
Ingestion Effects:	Nonhuman Toxicity (data for Simple Green□): Acute Toxicity: Oral LD50 (rat): > 5.0 g/kg body weight
Subchronic Effects:	Subchronic dermal effects: No adverse effects, except reversible dermal irritation, were found in rabbits exposed to Simple Green (up to 2.0 g/kg/day for 13 weeks) applied to the skin of 25 males and 25 females. Only female body weight gain was affected.
Irritation:	Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 15 (mild irritant) on a scale of 0-110.  Dermal Irritation: Only mild, but reversible, irritation was found in a standard 72 hour test on rabbits. A value of 0.2 (non-irritating) was found on a scale of 0-8.
Other Toxicological Information:	Fertility Assessment by Continuous Breeding: The Simple Green formulation had no adverse effect on fertility and reproduction in CD-1 mice with continuous administration for 18 weeks, and had no adverse effect on the reproductive performance of their offspring.

[To Top of page](#)



## SECTION 12 : ECOLOGICAL INFORMATION : (N/A)

<b>Environmental Fate:</b>	Environmental Toxicity Information: Foaming Simple Green® is considered practically non-toxic per EPA's Aquatic toxicity scale.
<b>Biodegradability:</b>	Like Simple Green®, Foaming Simple Green® is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), will approximate 60% after 11 days. In a standard biodegradation test with soils from three different countries. Butyl Cellosolve reached 50% degradation in six to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose, which was used as a control for comparison.

[To Top of page](#)



## SECTION 13 : DISPOSAL CONSIDERATIONS : (N/A)

<b>Waste Disposal:</b>	<p>Foaming Simple Green® is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state and federal laws.</p> <p>Containers: Do not throw empty containers in trash compactor or into fire. Do not store in direct sun.</p> <p>*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.</p>
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[To Top of page](#)



## SECTION 14 : TRANSPORT INFORMATION : (N/A)

<b>DOT Shipping Information:</b>	(40 CFR)
	ER INFORMATION: ERG 171
<b>DOT Shipping Name:</b>	BASIC DESCRIPTION: Consumer Commodity [For all sizes]
<b>DOT Hazard Class:</b>	ORM-D
<b>IATA:</b>	<p>BASIC DESCRIPTION: Aerosols, flammable [17 fl. oz. (500 ml) or greater]</p> <p>ADDITIONAL DESCRIPTION: 2.1, UN1950</p> <p>PACKAGE INSTURCTION: Y203, LTD QTY</p> <p>ER INFORMATION: ERG 126</p>
<b>IATA Shipping Name:</b>	BASIC DESCRIPTION: Consumer Commodity [Less than 17 fl. Oz. (500 ml)]
<b>IATA UN Number:</b>	ID8000
<b>IATA Packing Group:</b>	PACKAGE INSTURCTION: 910
<b>IATA Class:</b>	9
	ER INFORMATION: ERG 171
<b>NAERG Number:</b>	IMDG: ERG 126
<b>Maritime Transportation CGVS/GGVE/IMDG:</b>	BASIC DESCRIPTION: Aerosols [For all sizes]
<b>CGVS/GGVE/IMDG UN or NA Identification Number:</b>	UN1950
<b>CGVS/GGVE/IMDG Class:</b>	2
<b>EMS Number:</b>	IMDG: 2-13
<b>MFAG Table Number:</b>	IMDG: 620
	UPS Air:
	BASIC DESCRIPTION: Consumer Commodity [For all sizes]
	ADDITIONAL DESCRIPTION: ORM-D-AIR
	ER INFORMATION: ERG 171

[To Top of page](#)



## SECTION 15 : REGULATORY INFORMATION : (N/A)

### **Applies to All Ingredients :**

<b>TSCA 8(b): Inventory Status:</b>	<p>All components are listed on: TSCA Inventory</p> <p>TSCA TRI Reporting: Not required / Not listed</p>
<b>Section 304:</b>	CERCLA Status: No components listed
<b>RCRA 261.33 Code:</b>	Not a hazardous waste.
<b>Section 112(r): Clean Air Act</b>	No components listed under: Clean Air Act Section 112
<b>State:</b>	CA PROP. 65 Status: No components listed

**European Community Chemical Inventory Status:** All components are listed on: EINECS Inventory

### **2-Butoxyethanol, Glycol Ether EB :**

<b>Section 313 Toxic Release Form:</b>	This material contains 2-Butoxyethanol, < 5%, (CAS## 111-76-2) which is subject to the reporting requirements of Section 313 of SARA Title III and 49 CFR Part 373.
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[To Top of page](#)



## SECTION 16 : ADDITIONAL INFORMATION : (N/A)

HMIS:

Health Hazard: 1 = slight  
Fire Hazard: 1 = slight  
Reactivity: 0 = minimal  
Personal Protection: Special = 0 = minimal  
NFPA:  
Health: 1  
Fire Hazard: 1  
Reactivity: 0  
Specific Hazard: 0  
MSDS Revision Date: March 2008  
Version No.: 1901008A

MSDS Author: Questions about the information found on this MSDS should be directed to:  
SUNSHINE MAKERS, INC.  
TECHNICAL DEPARTMENT  
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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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NFPA Rating:  
Level 1 (aerosol)

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[To Top of page](#)

