



MATERIAL SAFETY DATA SHEET

Version #19010AU-11A

Manufacturer: Sunshine Makers, Inc. 15922 Pacific Coast Hwy. Huntington Harbor CA 92649 USA

Contact: + 800-228-0709

Info@simplegreen.com

Website: www.simplegreen.com

PRODUCT NAME: Foaming Crystal Simple Green® Industrial Cleaner/Degreaser

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Supplier Name	CIPL Pty Ltd
Address	P.O. Box 1253, Golden Grove Village LPO, GOLDEN GROVE SA, 5125, Australia
Telephone	0407 747 522
Fax	(02) 9894 0233
Emergency	0407 747 522
Email/ Web	info@cipl.com.au
Uses	A Ready-To-Use cleaning and degreasing foam for use on hard non-porous surfaces.

2. HAZARDS IDENTIFICATION

Precautionary Statements	WARNING: Flammable Aerosol; Contents under pressure.
Risk Phrases	R36 IRRITATING TO EYES

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Concentration	CAS Number
Water	> 90 %	7732-18-5
2-Butoxyethanol	< 5%	111-76-2
Additives	< 10 %	Not Available
Butane	< 5%	106-97-7
Propane	< 5%	74-98-6

4. FIRST AID MEASURES

Eyes	Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes, moving lower and upper eyelids away from eye to flush out all product. If irritation persists beyond 12 hours after contact, seek medical attention.
Inhalation	If over exposure occurs leave exposure area immediately. If irritation persists, seek medical advice.
Skin	Wash with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.
Ingestion	Drink plenty of water to dilute. Mild stomach or intestinal upset may occur due to detergent properties. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.
Advice To Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

Fire and Explosion NFPA Level 1 (Aerosol) Simple Green Bike Cleaner Degreaser 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.

Hazchem Code None Allocated.

6. ACCIDENTAL RELEASE MEASURES

Spillage (Bulk) If spilt contact emergency services where appropriate. Wear splash proof goggles, rubber gloves, coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar, collect and place in sealable containers for disposal.



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7. HANDLING AND STORAGE

- Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eyes or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated area (eg. If container is damaged).
- Storage** Store in cool, dry, well ventilated area, removed from oxidizing agents, acids and foodstuffs. Ensure containers are adequately labeled and protected from physical damage when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation** Ensure adequate natural ventilation
- Exposure Standards** 2-Butyloxyethanol, Glycol Ether EB OSHA PEL: 25 ppm, ACGIH TLV: 25 ppm, (SKIN)
Butane OSHA PEL: 800 ppm, ACGIH TLV: 800 ppm
Propane OSHA PEL: 1000 ppm, ACGIH TLV: ASPHYXIAANT
- PPE** Wear splash-proof goggles or face shield when possibility of blow-back or "bouncing" of foam into face exists.



9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|------------------------|--------------------------------------|---------------------------|---------------|
| Appearance | White Foam | Solubility (water) | Soluble |
| Odor | Mild Detergent | Specific Gravity | 1.0 |
| pH | 8.8 | VOCs | < 10 g/L |
| Vapour Pressure | 18 mm Hg @ 20 °C; 23.5 mm Hg @ 26 °C | Flammability | Not Flammable |
| Density | 8.3 lbs/gal | Boiling Point | 100.6 °C |
| Freezing Point | Approximately 0 °C | | |

10. STABILITY AND REACTIVITY

- Reactivity** None
- Decomposition Products** None expected when heated to decomposition

11. TOXICOLOGICAL INFORMATION

- Health Hazard Summary** Low toxicity – irritant. When used in small quantities, the potential for over exposure is reduced. Use safe work practices to avoid eye/skin contact and vapour generation/inhalation.
- Eye** Irritant. 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. Reversible blurred vision may occur.
- Inhalation** Low irritant. Good ventilation should be present during use. Large-scale uses indoors should provide an increased rate of air exchange.
- Skin** Low irritant. Mild, reversible skin irritation may occur for those with dermal conditions or chemical sensitivities. Skin irritation may, however, occur with repeated, prolonged exposure.
- Ingestion** Low toxicity. With large doses ingestion may result in nausea, vomiting and reversible gastrointestinal irritation.
- Toxicity Data** Based on chemical profile this product is expected to have an Oral Toxicity value greater than 5.0 g/kg (OECD 33, paragraph 3.2) and a dermal toxicity greater than 2.0 g/kg.



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12. ECOLOGICAL INFORMATION

Environment **Biodegradability:** Simple Green® is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), after 4, 7, and 11 days was 56%, 60% and 70%, respectively. Per OECD Closed Bottle Test, Simple Green® meets OECD and EPA recommendations for ready biodegradability.

In a standard biodegradation test with soils from three different countries, Butyl Cellosolve reached 50% degradation in 6 to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose which was used as a control for comparison.

Environmental Toxicity Information: Simple Green® is considered practically non-toxic per EPA's Aquatic toxicity scale.

13. DISPOSAL CONSIDERATION

Waste Disposal For small amounts, halt access to avoid slip/fall injury and wash to sanitary sewer.
Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Store in tightly sealed containers. Keep away from heat, sparks, open flame and out of direct sunlight. Store below 49 °C. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can.

MODE	BASIC DESCRIPTION	ADDITIONAL DESCRIPTIVE	PKG. INSTRUCTION	ER INFO.
ADG	Australian Dangerous Goods Class Class: 2.1			
IATA	Consumer Commodity [Less than 17 fl. oz. (500 ml)] Aerosols, flammable [17 fl. oz. (500 ml) or greater]	9, ID8000 2.1, UN1950	910 Y203, LTD QTY	ERG 171 ERG 126
IMDG	Aerosols [For all sizes]	2, UN1950		ERG 126, EmS 2-13 MFAG 620
DOT (40 CFR)	Consumer Commodity [For all sizes]	ORM-D		ERG 171
UPS Air	Consumer Commodity [For all sizes]	ORM-D-AIR		ERG 171

15. REGULATION INFORMATION

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS)
Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

16. OTHER INFORMATION

Additional Information COLOUR RATING SYSTEM: Reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.



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16. OTHER INFORMATION (cont.)

HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including frequency and duration of use, quantity used, and effectiveness of control measures, protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that the users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

Mg/m³ – Milligrams per cubic metre

ppm – Parts per million

TWA/ES – Time weighted average or exposure standard

pH – relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline

CAS # - Chemical Abstract Service number – used to uniquely identify chemical compounds

M – moles per litre, a unit of concentration

IARC – International Agency for Research

Report Reviewed 03 May 2011

Date last reviewed --

Prepared By Sunshine Makers, Incorporated

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