

Material Safety Data Sheet: Foaming Crystal Simple Green® Industrial Cleaner / Degreaser

Version No. 19010AU-14A

Issued: February 2014

Supersedes: May 2012

ANSI-Z400.1-2010, meets requirement of NOHSC:2011(1994)

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Foaming Crystal Simple Green® Industrial Cleaner / Degreaser

Additional Names: Foaming Simple Green

Manufacturer's Part Number: *Please see section 16*

Distributor: Simple Green Australia Pty Ltd
P.O. Box 1253 Golden Grove Village LPO
Golden Grove, SA 5125 Australia

ACN: 18862416081

Telephone: 1300 826 470

Fax: 1300 826 473

Email: info@simplegreenustralia.com

Website: <http://australia.simplegreen.com/>

Emergency Phone: 1300 826 470 Available Monday – Friday, 9am-5pm

Uses: A Ready-To-Use cleaning and degreasing foam for use on hard non-porous surfaces.

Section 2: HAZARDS IDENTIFICATION

Classified as Hazardous according to Worksafe Australia

Risk Phrases: R36 IRRITATING TO EYES

Warning Statement: Flammable Aerosol ; Contents under Pressure

Signal Word: Warning

Safety Direction:

Emergency Overview: CAUTION. Irritant. This is a white foam with a faint chemical odour.

Routes of Exposures: Eye Contact, Skin Contact, Inhalation

Potential Health Effects

Eye Contact: Mildly irritating.

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.

Ingestion: May cause stomach or intestinal irritation if swallowed. See section 11.

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

Medication Conditions Aggravated by Exposure: Dermally sensitive users may experience irritation.

Target Organs: None.

Environmental Effects: Not harmful.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredient</u> | <u>CAS Number</u> | <u>Percent Range</u> |
|-------------------|-------------------|----------------------|
| Water | 7732-18-5 | ≥ 82% |
| 2-butoxyethanol | 111-76-2 | ≤ 5% |
| Sodium Citrate | 68-04-2 | ≤ 5% |
| Laureth-7 | Proprietary | ≤ 1% |
| Triethanolamine | 102-71-6 | ≤ 1% |
| Sodium Nitrate | 7632-00-0 | ≤ 1% |
| Xanthan Gum | 11138-66-2 | ≤ 1% |
| Butane | 106-97-8 | ≤ 4% |
| Propane | 74-98-6 | ≤ 1% |

Section 4: FIRST AID MEASURES

If inhaled: If over exposure occurs leave exposure area immediately. If irritation persists, seek medical advice.

If on skin: Gently flush affected area with water. Seek medical attention if irritation develops. Launder clothing before reuse.

If in eyes: 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.

If ingested: Drink plenty of water to dilute. Mild stomach or intestinal upset may occur due to deterative properties. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

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Section 4: FIRST AID MEASURES - continued

First Aid Facilities: Eye Wash Station or treatment recommended.
Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flammability: FLAMMABLE PROPELLANT. NFPA Level 1 – Aerosol. Non flammable foam.
Flash Point: Not available

Suitable Extinguishing Media: Use dry chemical, CO2, water spray or “alcohol” foam.
Extinguishing Media to Avoid: High volume jet water. Do not use direct stream of water because the flammable portion will float and can be reignited.
Special Exposure Hazards: In event of fire created carbon oxides may be formed.
Special Protective Equipment: Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use Personal Protection Recommended in Section 8
Environmental Precautions: Prevent runoff from entering drains, sewers or waterways.
Method for Containment: Shut off all sources of ignition if possible. Keep containers cool with water spray to prevent rupture. Ventilate area. Dike or soak up with inert absorbent material.
Method for Clean Up: For leaks and spills that have not ignited, water spray can be used to disperse the flammable vapor. Dilute foam with water and rinse into sanitary sewer system or dispose into suitable container.

Section 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. 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). Do not expose can to heat above 50oC and open sources of ignition.
Storage: Store in cool, dry, well ventilated area, removed from oxidizing agents, acids and foodstuffs. Do not store in direct sunlight. Ensure containers are adequately labeled and protected from physical damage when not in use.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| | | |
|-------------------------------|-------------------------------|---------------------------------|
| Exposure Limit Values: | STEL | TWA |
| 2-butoxyethanol | 50 ppm; 240 mg/m ³ | 20 ppm; 96.9 mg/m ³ |
| Triethanolamine | | 5 mg/m ³ |
| Butane | | 800 ppm; 1900 mg/m ³ |

Engineering Controls: Not applicable

Exposure Controls:
Eye Contact: Use protective glasses if splashing or spray-back is likely.
Respiratory: Use in well ventilated areas.
Skin Contact: Prolonged exposure or dermal sensitive individuals should use protective gloves.
General Hygiene Considerations: Avoid contact with eyes.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|------------------------|-----------------|-------------------------|----------------------|
| Appearance: | White Foam | Odour: | Faint chemical odour |
| Physical State: | Foam | Odour Threshold: | Not available |
| Boiling Point: | 100.6°C (212°F) | Flash Point: | Not available |

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued

| | | | |
|--------------------------|--|-----------------------------------|---------------------|
| Freezing Point: | 0° C (32°F) | Flammability Limits: | Not available |
| Specific Gravity: | Not available | Auto Ignition Temperature: | Not available |
| Evaporation Rate: | Not available | Decomposition Temperature: | Not available |
| Vapor Pressure: | 18 mmHg @20°C (formula) 1640 mmHg @68°C (butane) 6350 mmHg @68°C (propane) | Density: | 8.45 – 8.55 lbs/gal |
| Vapor Density: | Not available | Water Solubility: | 100% |
| pH: | 9.0 - 9.99 | Partial Coefficient: | Not available |
| VOCs: | 8.0%; 80 grams/litre | | |
| Nutrient Content: | Not available | | |

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions 21°C (70°F) and 14.7 psig (760 mmHg)
 Reactivity: Non-reactive
 Conditions to avoid: Direct sunlight, open sources of heat, flame, spark or ignition.
 Incompatible materials: None known
 Materials to avoid: None known
 Hazardous decomposition products: Normal products of combustion – CO, CO2.
 Possibility of hazardous reactions: None known

Section 11: TOXICOLOGICAL INFORMATION

Effects of Exposure: Irritated eyes, cough and irritation of nasal passageway.

Acute

Acute Toxicity: Oral LD₅₀ (rat) > 5 g/kg body weight
 Dermal LD₅₀ (rabbit) > 2 g/kg body weight

Calculated via OECD Harmonized Integrated Classification System for Human Health & Environmental Hazards of Chemical Substances and Mixtures

Carcinogens: This product contains no ingredients listed by OSHA, IARC, ACGIH or NTP as known or suspected carcinogens in reportable quantities.

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. No special ventilation is required during use. Large-scale uses indoors should provide an increased rate of air exchange.

Skin: Non irritant. Mild, reversible skin irritation may occur for those with dermal conditions or chemical sensitivities

Ingestion: Low toxicity. Large dose ingestion may result in nausea, vomiting and reversible gastrointestinal irritation.

Chronic There have been no reports of health effects arising from long term exposure to this product.

Section 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Low, based on toxicology profile

Terrestrial Toxicity: Low, based on toxicology profile

Persistence and degradability: Biodegradable based on biodegradability profile of ingredients.

Mobility: No data

Bioaccumulation: No data

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Section 13: DISPOSAL CONSIDERATIONS

Used & Unused Product: Dispose of 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.

Empty Containers: Triple-rinse with water and offer for recycling if available in your area.

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

| | Basic Description | Additional Descriptive | PKG. Instructions | ER Info. |
|---------------|---|------------------------|-------------------|-------------------------------|
| ADG Code: | Australian Dangers Goods Class: 2.1 | | | |
| IMO / IDMG: | Aerosols [For all sizes] | 2, UN1950 | | ERG 126, EmS 2-13 MFAG 620 |
| ICAO/ IATA: | Consumer Commodity [Less than 17 fl. oz. (500 ml)] | 9, ID8000 | 910 | ERG 171 |
| | Aerosols, flammable [17 fl. oz. (500 ml) or greater] | 2.1, UN1950 | Y203, LTD QTY | ERG 126 |
| DOT (40 CFR): | Consumer Commodity [For all sizes] | ORM-D | | ERG 171 |
| UPS Air: | Consumer Commodity [For all sizes] | ORM-D-AIR | | ERG 171 |
| ADR/RID: | Not available | | | |

Section 15: REGULATORY 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)

Section 16: OTHER INFORMATION

Manufacturer: Sunshine Makers, Inc.
 15922 Pacific Coast Highway
 Huntington Beach, CA 92649 USA
Telephone: +562-795-6000 [8am – 5pm, Monday – Friday, PST]
Fax: +562-592-3830
Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924
Email: infoweb@simplegreen.com **Website:** www.simplegreen.com

Manufacturer's Part Numbers (not all part numbers listed)
 19010 - 20 fluid ounce / 591 millilitre aerosol

Reason for Revision: Update to company contact information.

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