



## MATERIAL SAFETY DATA SHEET

Version #18203AU-11A

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

Contact: + 800-228-0709

[Info@simplegreen.com](mailto:Info@simplegreen.com)

Website: [www.simplegreen.com](http://www.simplegreen.com)

PRODUCT NAME: Simple Green® Heavy Duty (Pressure Washer Concentrate)

### 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](mailto:info@cipl.com.au)

**Uses** Simple Green® Heavy Duty is a pressure washer concentrate for heavy duty cleaning of hard, non porous, exterior surfaces.

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

NOT CLASSIFIED AS DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

**GROUP STANDARD CLASSIFICATION:** CLEANING PRODUCTS (SUBSIDIARY HAZARD) GROUP STANDARD 2006

**HSNO APPROVAL NO.:** HSR002530

**HSNO CLASSIFICATION:** 6.4A (H320) CAUSES EYE IRRITATION

**Risk Phrases** R36 IRRITATING TO EYES

**Signal Word** CAUTION

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Concentration	CAS Number
ETHYLENE GLYCOL MONO BUTYL ETHER	< 5 %	111-76-2
Water	> 80 %	7732-18-5
Additives	< 10 %	Not Available

### 4. FIRST AID MEASURES

**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.

**Inhalation** If over exposure occurs leave exposure area immediately. If irritation persists, seek medical advice.

**Skin** Gently flush affected area with 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 deterative 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** Non flammable.

**Fire and Explosion** Non flammable. If product is present in a fire, evacuate area and contact emergency services. Remain upwind and notify those downward of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.



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### 6. ACCIDENTAL RELEASE MEASURES

**Spillage** If spilt (bulk), contact emergency services where appropriate. Wear splash-proof goggles, PVC/rubber gloves, an Air Purifier Respirator (where an inhalation risk exists), 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.

**Hazchem Code** None Allocated.

### 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. Ensure containers adequately labeled, protected from physical damage and sealed when not in use.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation** Ensure adequate natural ventilation  
**Exposure Standards** Ethylene Glycol Mono butyl Ether (111-76-2)  
ACGIH TLV-TWA is 20 ppm (97 mg/m<sup>3</sup>)

**PPE** Wear splash-proof goggles or face shield when possibility of splashing exists, or when spraying through a pressurized sprayer. Where an inhalation risk exists, wear an Air Purifier Respirator.



### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Translucent Aqua Liquid	<b>Solubility (water)</b>	SOLUBLE
<b>Odor</b>	Faint detergent like odour	<b>Specific Gravity</b>	1.011
<b>pH</b>	9.5	<b>VOC's</b>	4.8
<b>Vapour Pressure</b>	1.3 (air =1)	<b>Flammability</b>	NOT FLAMMABLE
<b>Density</b>	8.33 lbs/gal	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	98° C	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Freezing Point</b>	-9° C	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	EQUAL TO WATER	<b>Auto ignition Temperature</b>	NOT AVAILABLE

### 10. STABILITY AND REACTIVITY

**Reactivity** Incompatible with oxidizing agents (e.g. peroxides) and acids (e.g. hydrochloric acid). Contains ammoniated compounds – do not mix with bleach, tub & tile cleaner, other mold/mildew removers, or chlorinated compounds.

**Decomposition Products** May evolve toxic gases (hydrocarbons, carbon oxides) 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.



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### 11. TOXICOLOGICAL INFORMATION (CONT.)

- 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.
- Inhalation** Low irritant. No special ventilation is required 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. A 6-hour exposure to human skin under a patch did not produce irritation. No toxic effects are associated with daily skin exposure. Skin irritation may, however, occur with repeated, prolonged exposure.
- Ingestion** Low toxicity. Large dose 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.

### 12. ECOLOGICAL INFORMATION

- Environment** **This product demonstrates biodegradability and environmental toxicity values equal to or better than original Simple Green:**  
**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, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.
- Legislation** Dispose of in accordance with relevant local legislation.

### 14. TRANSPORT INFORMATION

- Transport** Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail
- |                         |                |                      |                |
|-------------------------|----------------|----------------------|----------------|
| <b>UN Number</b>        | None Allocated | <b>Packing Group</b> | None Allocated |
| <b>DG Class</b>         | None Allocated | <b>Hazchem Group</b> | None Allocated |
| <b>Subsidiary Risks</b> | None Allocated |                      |                |



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### 15. REGULATION INFORMATION

<b>New Zealand</b>	All chemicals listed on the New Zealand Inventory of Chemicals
<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS)
<b>All components are listed on</b>	EINECS and TSCA Inventory
<b>Poison Schedule</b>	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.

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/m<sup>3</sup> – 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** 25 October 2011

**Last Reviewed** 23 February 2010

**Prepared By** Sunshine Makers, Incorporated  
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