



MATERIAL SAFETY DATA SHEET

Version #13421AU10A

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: Simple Green[®] Pro Grade Heavy Duty Cleaner

ALTERNATE PRODUCT NAME: Simple Green[®] Pro HD

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	Concentrated heavy duty cleaner and degreaser for use with pressure washing equipment, floor cleaners or manual application on a variety of hard non-porous surfaces

2. HAZARDS IDENTIFICATION

Risk Phrases	NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA NOT CLASSIFIED AS DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE R36 IRRITATING TO EYES
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3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Concentration	CAS Number
Water	> 60 %	7732-18-5
Triethanolamine	< 11%	102-71-6
Propylene glycol n-butyl ether	< 5%	5131-66-8
Proprietary ethoxylated fatty alcohol	< 5%	Not available
Proprietary fatty alkyl cocoamide	< 5%	Not available

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. 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	This product is non-flammable, non-combustible, and non explosive. Recommended extinguishing media of CO ₂ or DRY FOAM should be used on and around Simple Green [®] Clean Building All Purpose Cleaning Concentrate. Please refer to Personal Protective Equipment information found in Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT.
Hazchem Code	None Allocated.



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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.

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 Triethanolamine (102-71-6)
ACGIH TLV-TWA is 5 mg/m³

PPE Wear splash-proof goggles or face shield when possibility of splashing exists, or when spraying through a pressurized sprayer.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	TRANSLUCENT PURPLE LIQUID	Solubility (water)	SOLUBLE (100%)
Odor	MILD DETERGENT	Specific Gravity	1.025 ± 0.015
pH	10.9 ± 0.8	VOCs	80 g/L
Vapour Pressure	20.7 mm Hg	Flammability	NOT FLAMMABLE
Density	1.024 g/L	Flash Point	None
Boiling Point	100 °C		
Freezing Point	Approx 0° C		
Nutrient Content	Nitrogen: <0.1 % (0% by formula) Phosphorous: < .25%(by formula) Sulfur: <0.1% (0% by formula)		

10. STABILITY AND REACTIVITY

Reactivity None

Decomposition Products None expected when heated to decomposition



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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. 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. With large doses ingestion may result in nausea, vomiting and reversible gastrointestinal irritation.
Toxicity Data	Oral LD 50 (rat) >5g/kg body weight Dermal LD 50 (rabbit) >2g/kg body weight Toxicity extrapolated from ingredients. Animal testing not conducted.

12. ECOLOGICAL INFORMATION

Environment	ATMOSPHERE: No hazardous ingredients. <80 g/L VOCs WATER: Product will degrade readily via biodegradation. Considered practically non-toxic per EPA's aquatic toxicity scale. SOIL: If released to soil, ready biodegradation of product will occur.
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13. DISPOSAL CONSIDERATION

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

Transport	Not classified as Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail		
UN Number	None Allocated	Packing Group	None Allocated
DG Class	None Allocated	Hazchem Group	None Allocated
Subsidiary Risks	None Allocated		

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)



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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/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

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