



MATERIAL SAFETY DATA SHEET

Version #50128AU10A

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® Lime Scale Remover

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	Simple Green® Lime Scale Remover is a ready to use liquid cleaning agent for removal of soap scum, mineral scale, hard-water spots, calcium and lime deposits on hard, non-porous surfaces. Not for use on any natural or engineered stone 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
Urea Monohydrochloride	< 5%	506-89-8
Water	> 80 %	7732-18-5

4. FIRST AID MEASURES

Eyes	Flush gently with running water. Seek 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 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	Non flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition
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, a Type A (Organic vapour) 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, removed from oxidizing agents, acids and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation** Ensure adequate natural ventilation
- Exposure Standards** Urea Monohydrochloride (506-89-8)
ACGIH TLV-TWA – Not applicable
- PPE** Wear splash-proof goggles or face shield when possibility of splashing exists, when working with large quantities, or when prolonged/extended skin exposure is required.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Translucent Pale Aqua Liquid	Solubility (water)	SOLUBLE
Odor	Characteristic Mint Odour	Specific Gravity	1.0230
pH	1.00 - 1.5	VOC's	0 g/L per EPA Method 24
Vapour Pressure	1.3 (air =1)	Flammability	Not Flammable
Density	8.52 lbs/gal	Flash Point	None Observed to Boiling
Boiling Point	100°C (212°F)	Upper Explosion Limit	Not Relevant
Freezing Point	Ca. 0°C	Lower Explosion Limit	Not Relevant
Evaporation Rate	Equal to Water	Auto ignition Temperature	Not Available

10. STABILITY AND REACTIVITY

- Reactivity** Incompatible with oxidizing agents (e.g. peroxides) and strong alkalines. Do not mix with bleach.
- Decomposition Products** None expected.



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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. Exposure may result in lacrimation, irritation, pain and redness.
- Inhalation** Low to moderate irritant. Over exposure to mists or vapours (if sprayed) may result in mucous membrane irritation of the nose and throat with coughing. Low product volatility considerably reduces the potential for an inhalation hazard.
- Skin** Irritant. Prolonged contact may result in drying and de-fatting of the skin with rash and dermatitis.
- 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 10 g/kg body weight. (OECD 33, paragraph 3.2) and a dermal toxicity greater than 2.0 g/kg

12. ECOLOGICAL INFORMATION

- Environment** ATMOSPHERE: Not a hazardous air pollutant. Extremely low volatility.
WATER: Should degrade relatively rapidly via biodegradation.
Hazard to Aquatic Organisms: >100mg/l (rainbow trout, 96 hrs)
SOIL: Biodegradable. Based on formula and biodegradability, potential for bioaccumulation is low.

13. DISPOSAL CONSIDERATION

- Waste Disposal** For small amounts, dilute to sanitary sewer drain. For larger amounts, contact the manufacturer for additional information. Prevent Large-spill contamination of 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
- | | | | |
|-------------------------|----------------|----------------------|----------------|
| 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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Prepared By

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