

**Section 1: PRODUCT & COMPANY IDENTIFICATION**Product Name: Simple Green<sup>®</sup> Lime Scale Remover

Additional Names:

Manufacturer's Part Number: *Please see section 16*Distributor: ISL Industrial LTD  
40 Crook Road  
East Tamaki, Auckland, New Zealand

Telephone: 0064 9 274 7365 Fax: For orders - 0800 301 302; for administration – 0064 9 274 0786

Emergency Phone: 029 9166750 Available Monday – Friday, 9am-5pm

Web / Email: [www.isl-industrial.co.nz](http://www.isl-industrial.co.nz)

Uses: 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.

**Section 2: HAZARDS IDENTIFICATION****Classification:** Classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.

HSNO CLASSIFICATION: 6.4A (H320) CAUSES EYE IRRITATION

Hazard Statement: Causes Eye Irritation Pictogram: None

Signal Word: WARNING

Precautionary Statements: Read label Before use. Wash hands thoroughly after handling. IF in eyes: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention. Dispose of contents / container to local and state regulatory standards.

**Emergency Overview:** CAUTION. Irritant. This is a aqua coloured liquid with a wintergreen added 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	≥ 78%
Urea Hydrochloride	506-89-8	≤ 6%
Sodium Citrate	6132-04-3	≤ 5%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Potassium Iodide	7681-11-0	≤ 1%
Fragrance	Proprietary Mixture	≤ 1%
Colourant	Proprietary Mixture	≤ 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 0800 764 766 or a doctor.

**First Aid Facilities:** Eye Wash Station or treatment recommended.

**Advice to Doctor:** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Non flammable

**HAZCHEM Code:** Not applicable

**Flash Point:** None

**Suitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Extinguishing Media to Avoid:** High volume jet water.

**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:** For both large and small releases, dike or soak up with inert absorbent material.

**Method for Clean Up:** For both large and small releases, dilute with water and rinse into sanitary sewer system or dispose into suitable container.

## Section 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.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limit Values:** none

**Engineering Controls:** Not applicable

### Exposure Controls:

**Eye Contact:** Use tightly fitting safety goggles (splash goggles, EN 166) if splashing or spray-back is likely.

**Respiratory:** Use in well ventilated areas. If overexposure is likely use N95 (or better) respiratory masks.

**Skin Contact:** Prolonged exposure or dermal sensitive individuals should use latex (or better) gloves.

**General Hygiene Considerations:** Avoid contact with eyes. See your supervisor for specific application and recommendations on safety.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Translucent aqua liquid	<b>Odour:</b>	Added winterfresh-mint odour
<b>Physical State:</b>	Liquid	<b>Odour Threshold:</b>	Not available
<b>Boiling Point:</b>	110°C (230°F)	<b>Flash Point:</b>	Not applicable
<b>Freezing Point:</b>	-9° C (15.8°F)	<b>Flammability Limits:</b>	Not applicable
<b>Specific Gravity:</b>	1.01 – 1.03	<b>Auto Ignition Temperature:</b>	Not available
<b>Evaporation Rate:</b>	> 1	<b>Decomposition Temperature:</b>	Not available
<b>Vapor Pressure:</b>	1.3 (air =1)	<b>Density:</b>	8.423 lbs/gal
<b>Vapor Density:</b>	Not available	<b>Water Solubility:</b>	100%
<b>pH:</b>	1.0 – 1.5	<b>Partial Coefficient:</b>	Not available
<b>VOCs:</b>	0.0%; 0 grams/litre		
<b>Nutrient Content:</b>	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:	None known
Incompatible materials:	Oxidizing agents and acids.
Materials to avoid:	None known
Hazardous decomposition products:	Normal products of combustion – CO, CO <sub>2</sub> .
Possibility of hazardous reactions:	None known

**Section 11: TOXICOLOGICAL INFORMATION**

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

HSNO CLASSIFICATION: 6.4A (H320) CAUSES EYE IRRITATION

Acute

Acute Toxicity: Oral LD<sub>50</sub> (rat) > 5 g/kg body weight  
 Dermal LD<sub>50</sub> (rabbit) > 2 g/kg body weight

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

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

**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

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Method for Disposal:

Unused Product: Dilute with water and dispose by sanitary sewer.

Used Product: Used product may be hazardous depending on the cleaning application and resulting contaminants. If contents are non-hazardous and low volume, dilute with water and dispose by sanitary sewer. If contents are high volume or hazardous, dispose as hazardous waste.

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

Contaminated Containers: Contamination may be hazardous depending on contaminant. Dispose in accordance to hazard of contamination.

**Section 14: TRANSPORT INFORMATION**

NZTA: NOT classified as a dangerous good according to the Transport of Dangerous Goods on Land (NZS5433).

IMO / IDMG: Not classified as Dangerous

ICAO/ IATA: Not classified as Dangerous

ADR/RID: Not classified as Dangerous

U.N. Number None Allocated

DG Class None Allocated

Subsidiary Risks None Allocated

Hazchem Code: None Allocated

Proper Shipping Name:

Marine Pollutant:

Packing Group

Detergent Solution

No

None Allocated

**Section 15: REGULATORY INFORMATION**

GROUP STANDARD CLASSIFICATION: CLEANING PRODUCTS (SUBSIDIARY HAZARD) GROUP STANDARD 2006, as amended 2010

HSNO APPROVAL NO.: HSR002530

*In accordance with CLEANING PRODUCTS (SUBSIDIARY HAZARD) GROUP STANDARD 2006, as amended 2010, the product label need not meet the labeling requirements of this group standard if it complies with the relevant current labeling requirements of Australia, USA or EU.*NZIoC: All chemicals registered on New Zealand Inventory of ChemicalsWorkplace Exposure Standards (WES): See Section 8.**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](http://www.simplegreen.com)**Manufacturer's Part Numbers (not all part numbers listed)**

50005 - 20 litre

50128 - 3.78 litre

50032 - 946 millilitre

50155 - 208 litre

**Revision Changes:** Revised format to incorporate GHS SDS requirements with New Zealand SDS requirements.**DISCLAIMER:** The information provided with this MSDS is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. Sunshine Makers, Inc. assumes no additional liability or responsibility resulting from the use of, or reliance on this information.