

Safety Data Sheet: Simple Green® Lime Scale Remover

Version No. 50128-17A

Date of Preparation: 01-May-2017

Supersedes: 12-July-2012

Meets requirements of HSNO CoP 8-1 09-06

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Lime Scale Remover

Additional Names:

Manufacturer's Part Number: Please refer to section 16

Supplier: CIPL (NZ) Pty Ltd
8b Rarere Road
Takapuna, Auckland, New Zealand 0622

Telephone: + 64 9 489 6827

Email: info@simplegreenustralia.com

Website: www.simplegreen.com/newzealand/household

Emergency Phone: 0800 734 607

Recommended 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

This product is classified as Hazardous according to the criteria of Hazardous Substance (Minimum Degrees of Hazard / Classification/Identification) Regulations 2001 and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Skin Corrosive / Irritant – Category 1C; HSNO 8.2C

Signal Word: DANGER

Pictogram:



Hazard Statement : H314 – Causes severe skin burns and eye damage

Precautionary Statements: P260 – Do not breathe dusts or mists.
P264 – Wash hands thoroughly after handling.
P280 – Wear protective gloves/eye protection.
P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before reuse.
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 – Immediately call a POISON CENTER.
P321 – Specific treatment (see first aid on this label).
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 – Store locked up.
P501 – Dispose of contents/container in accordance with local/regional/national regulations.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	>81%*
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%*
Colorant	Proprietary Mixture	<1%*

*specific percentages of composition are being withheld as a trade secret

Section 4: FIRST AID MEASURES

- If Inhaled:** *Immediate and delayed symptoms* - Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE (or 0800 734 607 or a doctor).
- If on skin:** *Immediate and delayed symptoms* – If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTRE (or 0800 734 607 or a doctor).
- If in eyes:** *Immediate symptoms* – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE (or 0800 734 607 or a doctor).
- If ingested:** *Immediate and delayed symptoms* - Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE (or 0800 734 607 or a doctor).

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

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, CO₂, water spray or “alcohol” foam. Avoid high volume jet water.

Hazards from combustion products: None known.

Specific hazards arising from chemical: In event of fire created carbon oxides may be formed.

Precautions for fire-fighters and special protective clothing: 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 of large and small releases: Dike or soak up with inert absorbent material.

Method for Clean Up of large and small releases: Dilute with water and rinse into sanitary sewer system or dispose into suitable container.

Hazardous Substance (Emergency Management) Regulations 2001 requirements: none.

Section 7: HANDLING AND STORAGE

Precautions for safe handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye contact and spills. Observe good personal hygiene, including washing hands after use and before eating. Remove contaminated clothing and protective equipment before entering eating area. Prohibit eating, drinking and smoking in contaminated area (eg. If container is damaged). Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container.

Conditions for safe 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. Do not store at temperatures above 109°F (42.7°C).

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards: No components listed with Work Safe New Zealand WES / TWA / STEL.

Engineering Controls: Showers, eyewash stations, ventilation systems

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION - continued**Individual Protection Measures / Personal Protective Equipment (PPE)**

Eye Contact: Safety glasses, goggles or shields.
 Respiratory: Use in well ventilated areas with adequate airflow.
 Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.
 General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Turquoise liquid	Odour:	No wintergreen odour
Physical State:	Liquid	Odour Threshold:	Not determined
Boiling Point:	101°C (213.8°F)	Flash Point:	non-flammable
Freezing Point:	0°C (32°F)	Flammability:	Non flammable
Specific Gravity:	1.00 – 1.03	Autoignition Temperature:	Non flammable
Evaporation Rate:	Not determined	Decomposition Temperature:	42.7°C (109°F)
Vapor Pressure:	Not determined	Density:	8.34 – 8.59 lb/gal
Vapor Density:	Not determined	Water Solubility:	100%
pH:	1.0 – 2.0	Partial Coefficient:	not determined
VOCs:	SCAQMD 304-91 / EPA 24: Not tested CARB Method 310**: SCAQMD Method 313: Not tested		
	0.1 g/L	0.01%	**Water & fragrance exemption in calculation
Nutrient Content:	Phosphorous 0.00%		
Information on flammable materials:	Volume of ingredients in product prevent it from becoming flammable		

Section 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions 21°C (70°F) and 14.7 psig (760 mmHg)
 Reactivity: Non-reactive
 Conditions to avoid: Excessive heat or cold.
 Incompatible materials: Do not mix with oxidizers, acids, bathroom cleaners or disinfecting agents.
 Hazardous decomposition products: Normal products of combustion – CO, CO₂.
 Possibility of hazardous reactions: None known

Section 11: TOXICOLOGICAL INFORMATIONAcute

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

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

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

Possible Routes of exposure –

Skin corrosion/irritation: Skin Corrosive (GHS hazard category 1C).
Eye damage/irritation: Eye Corrosive (subpart to GHS skin corrosive hazard category 1C).
Germ Cell Mutagenicity: No ingredients trigger or classify under this category.
Carcinogenicity: No ingredients trigger or classify under this category.
Reproductive toxicity: No ingredients trigger or classify under this category.
STOT-Single Exposure: No ingredients trigger or classify under this category.
STOT-repeated exposure: No ingredients trigger or classify under this category.
Aspiration hazard: No ingredients trigger or classify under this category.

Section 11: TOXICOLOGICAL INFORMATION - continued

Likely routes of exposure: Inhalation – Overexposure may cause headache.
 Skin contact – causes damage.
 Eye contact – causes damage.
 Ingestion – May cause upset stomach.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from long term exposure: no symptoms expected under typical use conditions.
Interactive effects: Not known.

Section 12: ECOLOGICAL INFORMATION

Acute Ecotoxicity: Does not classify under the criteria of HSNO or GHS
 Chronic Ecotoxicity: Does not classify under the criteria of HSNO or GHS

Environmental Effect Levels: None

Aquatic Toxicity: Not tested on finished formulation.

Terrestrial Toxicity: Not tested on finished formulation.

Persistence and degradability: No data
 Mobility: No data
 Bioaccumulation: No data

Section 13: DISPOSAL CONSIDERATIONS

Unused Product: Deposit product in a landfill (if solidified), incinerator, or a sewage facility for treatment and disposal; or, discharge product into the environment so that, after reasonable mixing, the concentration of the substance in an environmental medium does not exceed any tolerable exposure limits.

Used Product: Used product may contain chemicals that will classify this waste as hazardous. Be sure to assess used product contaminants. Deposit used product in a landfill (if solidified), incinerator, or a sewage facility for treatment and disposal; or, discharge product into the environment so that, after reasonable mixing, the concentration of the substance in an environmental medium does not exceed any tolerable exposure limits.

Contaminated objects : Rinseable-recyclable objects can be rinsed and offered for recycling or disposed of in landfills. Non-rinseable objects should be disposed of to landfills.

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

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

NZTA: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8
 IMO / IDMG: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8
 ICAO/ IATA: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8
 ADR/RID: UN 3265 Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride), III, 8

U.N. Number	UN 3265	Proper Shipping Name:	Corrosive liquid, acidic, organic, n.o.s. (urea hydrochloride)
DG Class	8	Marine Pollutant:	No
Subsidiary Risks	None Allocated	HAZCHEM Code:	Unkonwn
Packing Group	III	Special Precautions for Users:	<u>Check regulation for limited quantity (size) exemptions.</u>

Safety Data Sheet: **Simple Green® Lime Scale Remover**

Version No. 50128-17A

Date of Preparation: 01-May-2017

Supersedes: 12-July-2012

Meets requirements of HSNO CoP 8-1 09-06

Section 15: REGULATORY INFORMATION

Group Standard Classification Cleaning Products (Corrosive) Group Standard

HSNO Approval Number: HSR002526

NZIoC: All chemicals registered on New Zealand Inventory of Chemicals

Section 16: OTHER INFORMATION

Manufacturer's Part Numbers

50005 -	20 Litre	50128 -	3.78 Litre
50032 -	946 Millilitre	50155 -	208 Litre

Prepared / Revised By: Simple Green Australia

Reason for Revision: Revision to SDS format, with GHS HSNO classification

DISCLAIMER: The information provided with this SDS 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.