

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Crystal Simple Green® Industrial Cleaner & Degreaser

Additional Names:

Manufacturer's Part Number: Please refer to section 16

Supplier: Simple Green Australia
8b Rarere Road,
Takapuna, Auckland, New Zealand 0622Telephone: + 64 9 489 6827
Email: info@simplegreenustralia.com
Website: australia.simplegreen.com

Emergency Phone: 0800 734 607

Recommended Uses: Concentrated cleaner and degreaser for water safe rinsable surfaces.

Section 2: HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of HSNO Minimum Degrees of Hazard Regulations

HSNO Classification: 6.4A (H320) Causes eye irritation

Signal Word: Warning

Pictogram: None required

Hazard Statement : Causes Eye Irritation

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.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 87%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Tetrasodium <i>N,N</i> -bis(carboxymethyl)-L-glutamate	51981-21-6	≤ 1%
Sodium Carbonate	497-19-8	≤ 1%
Citric Acid	77-92-9	≤ 1%

Section 4: FIRST AID MEASURES

If Inhaled: If adverse effect occurs, move to fresh air.

If on skin: If adverse effect occurs, rinse skin with water.

If in eyes: 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. 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 734 607 or a doctor.

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

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURESSuitable 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 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). 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). If separation occurs, mix the product for reconstitution.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Engineering Controls: Not applicable

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye Contact: Use any type of protective glasses or eyewear if splashing or spray-back is likely.

Respiratory: Use in well ventilated areas with adequate airflow.

Skin Contact: Prolonged exposure or dermal sensitive individuals should use any type of protective gloves such as nitrile.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid	Odour:	No added odour	
Physical State:	Liquid	Odour Threshold:	Not determined	
Boiling Point ASTM D-1120:	101°C (213.8°F)	Flash Point ASTM D-93:	non-flammable	
Freezing Point ASTM D-1177:	0 - 3.33°C (32 - 38°F)	Flammability:	Non flammable	
Specific Gravity ASTM D-891:	1.00 – 1.03	Autoignition Temperature:	Non flammable	
Evaporation Rate ASTM D-1901:	½ Butyl Acetate @ 25°C	Decomposition Temperature:	105oF	
Vapor Pressure ASTM D-323:	0.60 PSI @77°F, 2.05 PSI @100°F	Density ASTM D-4017:	8.34 – 8.42 lb/gal	
Vapor Density:	Not determined	Water Solubility:	100%	
pH ASTM D-1293:	9.8 – 10.8	Partial Coefficient:	not determined	
VOCs:	SCAQMD 304-91 / EPA 24:	0 g/L	0 lb/gal	0 %
	CARB Method 310**:	4.0 g/L	0.03 lb/gal	0.4% <i>**Water & fragrance exemption in calculation</i>
	SCAQMD Method 313:	Not tested		
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.

Section 10: STABILITY AND REACTIVITY - continued

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: Non-irritant per Dermal Irritation® assay modeling. *No animal testing performed.*
Eye damage/irritation: Minimal irritant per Ocular Irritation® assay modeling. *No animal testing performed*
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.

Likely routes of exposure: Inhalation – Overexposure may cause headache.
Skin contact – not expected to cause irritation.
Eye contact – may cause minimal eye irritation.
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: headache, dry skin, or skin irritation may occur.
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: Low, based on OECD 201, 202, 203 + Microtox: EC₅₀ & IC₅₀ ≥100 mg/L

Terrestrial Toxicity: Low, based on toxicology profile

Persistence and degradability: Readily Biodegradable per OECD 301D, Closed Bottle Test
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.

Section 13: DISPOSAL CONSIDERATIONS - continued

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: Not classified as 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	Proper Shipping Name:	Cleaning Compound, Liquid NOI
DG Class	None Allocated		NMFC#48580-3
Subsidiary Risks	None Allocated		Class 55
Packing Group	None Allocated	Marine Pollutant:	No
Special Precautions for Users:	None.	HAZCHEM Code:	None

Section 15: REGULATORY INFORMATION

Group Standard Classification Product not classifiable as any hazard under HSNO standards

<u>Ingredient</u>	<u>HSNO Approval Number</u>
Water	
Ethoxylated Alcohol	HSNO approval HSR003338
Sodium Citrate	May be used as a single component chemical under an appropriate group standard
Tetrasodium <i>N,N</i> -bis(carboxymethyl)-L-glutamate	May be used as a single component chemical under an appropriate group standard
Sodium Carbonate	HSNO Approval: HSR003265
Citric Acid	HSNO Approval: HSR003138
Fragrance	
Colourant	
Isothiazolinone Preservative	May be used as a single component chemical under an appropriate group standard

In accordance with all Group Standards 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 Chemicals

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
		Email & website:	info@simplegreen.com simplegreen.com
Emergency Phone:	Chem-Tel 24-Hour Emergency Service: 800-255-3924		

Manufacturer's Part Numbers

19001N – 20 litre	19024N – 710 millilitre	19128N – 3.78 litre
19011N – 59 millilitre	19054N – 208 litre	19275N – 1040 litre

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department

Reason for Revision: Formula update & new SDS format

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