

Safety Data Sheet: Simple Green® Heavy-Duty Cleaner & Degreaser Concentrate

Version No. SG11004-19A

Date of Preparation: 01-August-2019

Supersedes: n.a.

Meets requirements of HS(SDS)N 2017

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Heavy-Duty Cleaner & Degreaser
Additional Names: Simple Green® Heavy-Duty Cleaner & Degreaser Concentrate; Simple Green® Heavy-Duty Cleaner & Degreaser Concentrate

Manufacturer's Part Number: Please refer to section 16

Supplier: CIPL PTY Ltd.
8b Rarere Road
Takapuna, Auckland, New Zealand 0622

Telephone: + 64 21 950 283
Email: info@simplegreennz.com
Website: www.simplegreennz.com

Emergency Phone: 0800 764 766

Recommended Uses: Heavy-Duty Cleaner & Degreaser for all rinsable water safe surfaces.

Section 2: HAZARDS IDENTIFICATION

HSNO Classification: Eyes 6.4A

GHS Classification: Eye Category 2B

Signal Word: Warning

Pictogram: None required.

Hazard Statement: Causes eye irritation.

Precautionary Statements: 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 advice/attention.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	> 86%*
Ethoxylated Alcohol	68439-46-3	< 5%*
Sodium Citrate	68-04-2	< 5%*
Tetrasodium Glutamate Diacetate	51981-21-6	< 1%*
Sodium Carbonate	497-19-8	< 1%*
Citric Acid	77-92-9	< 1%*
Isothiazolinone	Proprietary	< 1%*

**exact percentage of ingredients are commercially confidential*

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 adverse effect occurs, 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 detergents. 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 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 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.

Chemical Incompatibilities: None known.

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: None required.

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless	Odour:	No added 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

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued

Specific Gravity:	1.01 – 1.03	Autoignition Temperature:	Non flammable
Evaporation Rate:	Not determined	Decomposition Temperature:	42.7°C (109°F)
Vapor Pressure:	Not determined	Density:	1.008 - 1.029 kg/L
Vapor Density:	Not determined	Water Solubility:	100%
pH:	9.8 – 10.8	Partial Coefficient:	not determined
VOCs:	CARB Method 310**:	4 g/L	0.4% <i>**Water & fragrance exemption in calculation</i>
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 INFORMATION

Acute

Acute Toxicity:	Oral LD ₅₀ (rat)	> 5 g/kg body weight
	Dermal LD ₅₀ (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. <i>No animal testing performed.</i>
Eye damage/irritation:	Minimal irritant per Ocular Irritation® assay modeling. <i>No animal testing performed</i>
Germ Cell Mutagenicity:	Mixture does not classify under this category.
Carcinogenicity:	Mixture does not classify under this category.
Reproductive toxicity:	Mixture does not classify under this category.
STOT-Single Exposure:	Mixture does not classify under this category.
STOT-repeated exposure:	Mixture does not classify under this category.
Aspiration hazard:	Mixture does not 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 toxicology profile

Terrestrial Toxicity: Low, based on toxicology profile

Persistence and degradability: Similar formulas have achieved 100% biodegradation under OECD 301D and OECD 302B testing

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: 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	Marine Pollutant:	No
Subsidiary Risks	None Allocated	HAZCHEM Code:	None
Packing Group	None Allocated	Special Precautions for Users:	None.

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Section 15: REGULATORY INFORMATION

Group Standard Classification Cleaning Products (Subsidiary Hazard) Group Standard 2006, as amended 2017

HSNO Approval NO.: HSR002530

NZIoC: All chemicals registered on New Zealand Inventory of Chemicals

Section 16: OTHER INFORMATION

Manufacturer's Part Numbers

SG11004 – 4 Litre

Prepared / Revised By: CIPL Pty Ltd

Date of Preparation: 1-August -2019

Reason for Revision: SDS created

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