

Section 1: PRODUCT & COMPANY IDENTIFICATIONProduct Name: Simple Green[®] Heavy Duty BBQ & Grill Cleaner

Additional Names:

Manufacturer's Part Number: 60014 – 591 millilitre aerosol

60030 – 591 millilitre aerosol

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

Uses: A Ready-To-Use cleaning and degreasing foam for use on the inside and outside of barbecues, grills and microwaves.

Section 2: HAZARDS IDENTIFICATION**Classification:** Classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.HSNO CLASSIFICATION: 2.1.2A (H223) FLAMMABLE AEROSOL
6.4A (H320) CAUSES EYE IRRITATIONHazard Statement: Flammable aerosol.
Causes eye irritation.

Pictogram:



Signal Word: WARNING

Precautionary Statements: Read label Before use. Keep away from heat/sparks/open flames/hot surfaces – No Smoking. Do not spray on an open flame or other ignition source. Pressurized container – Do not pierce or burn, even after use. Protect from Sunlight. Do not expose to temperatures exceeding 50°C/122°F. 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.

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	≥ 82%
2-butoxyethanol	111-76-2	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Laureth-7	Proprietary	≤ 1%
Triethanolamine	102-71-6	≤ 1%
Sodium Nitrate	7632-00-0	≤ 1%
Xanthan Gum	11138-66-2	≤ 1%
Butane	106-97-8	≤ 4%
Propane	74-98-6	≤ 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: FLAMMABLE PROPELLANT. NFPA Level 1 – Aerosol. Non flammable foam.

Flash Point: Not available

HAZCHEM Code:

Not applicable

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

Extinguishing Media to Avoid High volume jet water. Do not use direct stream of water because the flammable portion will float and can be reignited.

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, shut off all sources of ignition if possible. Keep containers cool with water spray to prevent rupture. Ventilate area. Dike or soak up with inert absorbent material.

Method for Clean Up: For both large & small releases, for leaks and spills that have not ignited, water spray can be used to disperse the flammable vapor. Dilute foam with water and rinse into sanitary sewer system or dispose into suitable container.

Section 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. 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). Do not expose can to heat above 50oC and open sources of ignition.

Storage: Store in cool, dry, well ventilated area, removed from oxidizing agents, acids and foodstuffs. Do not store in direct sunlight. Ensure containers are adequately labeled and protected from physical damage when not in use.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Limit Values:**

2-butoxyethanol

STEL
50 ppm; 240 mg/m³

TWA
25 ppm; 121 mg/m³

Triethanolamine

5 mg/m³

Butane

800 ppm; 1900 mg/m³

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

Appearance:	White Foam	Odour:	Faint chemical odour
Physical State:	Foam	Odour Threshold:	Not available
Boiling Point:	100.6°C (212°F)	Flash Point:	Not available
Freezing Point:	0° C (32°F)	Flammability Limits:	Not available
Specific Gravity:	Not available	Auto Ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Vapor Pressure:	18 mmHg @20°C (formula) 1640 mmHg @68°C (butane) 6350 mmHg @68°C (propane)	Density:	8.45 – 8.55 lbs/gal
Vapor Density:	Not available	Water Solubility:	100%
pH:	9.0 - 9.99	Partial Coefficient:	Not available
VOCs:	8.0%; 80 grams/litre		
Nutrient Content:	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:	Direct sunlight, open sources of heat, flame, spark or ignition.
Incompatible materials:	None known
Materials to avoid:	None known
Hazardous decomposition products:	Normal products of combustion – CO, CO ₂ .
Possibility of hazardous reactions:	None known

Section 11: TOXICOLOGICAL INFORMATION

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

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6.4A (H320) CAUSES EYE IRRITATION

Acute

Acute Toxicity: Oral LD₅₀ (rat) > 5 g/kg body weight
Dermal LD₅₀ (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. Do not puncture can, incinerate can or dispose can into trash compactor. If can still contains product but will not spray, remove spray button and run under warm water to unclog. If product still won't spray, contact manufacturer – do not try to shake, bang, puncture or modify can in any way.
Used Product:	Used product may be hazardous depending on the cleaning application and resulting contaminants. Dispose non-hazardous product as non-hazardous waste. Dispose hazardous product as hazardous waste.
Empty Containers:	Triple-rinse with water and offer for recycling if available in your area. Pressurized container – do not pierce or burn.
Contaminated Containers:	Dispose as hazardous waste. Pressurized container – do not pierce or burn.

Section 14: TRANSPORT INFORMATION

Classified as a dangerous good according to the Transport of Dangerous Goods on Land (NZS5433:1999).

	Basic Description	Additional Descriptive	PKG. Instructions	ER Info.
ADG Code:	Australian Dangers Goods Class: 2.1			
IMO / IDMG:	Aerosols [For all sizes]	2, UN1950		ERG 126, EmS 2-13 MFAG 620
ICAO/ IATA:	Consumer Commodity [Less than 17 fl. oz. (500 ml)]	9, ID8000	910	ERG 171
	Aerosols, flammable [17 fl. oz. (500 ml) or greater]	2.1, UN1950	Y203, LTD QTY	ERG 126
DOT (40 CFR):	Consumer Commodity [For all sizes]	ORM-D		ERG 171
UPS Air:	Consumer Commodity [For all sizes]	ORM-D-AIR		ERG 171
ADR/RID:	Not available			

Section 15: REGULATORY INFORMATION

GROUP STANDARD CLASSIFICATION: CLEANING PRODUCTS (SUBSIDIARY HAZARD) GROUP STANDARD 2006, as amended 2010
 HSNO APPROVAL NO.: HSR002530

GROUP STANDARD CLASSIFICATION: FLAMMABLE AEROSOL GROUP STANDARD 2006, as amended 2010
 HSNO APPROVAL NO.: HSR002515

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 Chemicals

Workplace Exposure Standards (WES): See Section 8.

Section 16: OTHER INFORMATION

Manufacturer: Sunshine Makers, Inc. Telephone: +562-795-6000 [8am – 5pm, Monday – Friday, PST]
 15922 Pacific Coast Highway Fax: +562-592-3830
 Huntington Beach, CA 92649 USA Email: infoweb@simplegreen.com
 Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924 Website: www.simplegreen.com

Revision Changes: Revised format to incorporate GHS SDS requirements with New Zealand SDS requirements.

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