

**Section 1: PRODUCT & COMPANY IDENTIFICATION**

Product Name: Simple Green® Heavy-Duty BBQ & Grill Cleaner (aerosol)  
 Additional Names: Simple Green® BBQ Grill Microwave Cleaner

Manufacturer's Part Number: 60014 – 20 oz can 60015 – 20 oz can

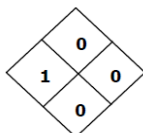
Company: Sunshine Makers, Inc.  
 15922 Pacific Coast Highway  
 Huntington Beach, CA 92649 USA

Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

**Section 2: HAZARDS IDENTIFICATION**

**Emergency Overview:** CAUTION. Irritant. This is a clear liquid (white foam) with a detergent odor.



NFPA/HMIS Rating:  
 Health = 1 = slight  
 Fire, Reactivity, and Special = 0 = minimal

**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.
- Inhalation:** No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 81%
2-butoxyethanol	111-76-2	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Laureth-7	Proprietary	≤ 1%
Triethanolamine	702-72-6	≤ 1%
Sodium Nitrite	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 adverse effect occurs, move to fresh air.
- If on skin:** If adverse effect occurs, rinse skin with water.
- If in eyes:** Flush with plenty of water. After 5 minutes of flushing, remove contact lenses, if present. Continue flushing for at least 10 more minutes. If irritation persists seek medical attention.
- If ingested:** Drink plenty of water to dilute.

#### Section 5: FIRE FIGHTING MEASURES

- Flammability:** Flammable propellant; non-flammable foam
- Flash Point:** Not determined
- Suitable Extinguishing Media:** Use Dry chemical, CO2, water spray or “alcohol” foam.
- Extinguishing Media to Avoid:** High volume jet water.
- Special Exposure Hazards:** In event of fire created carbon oxides.
- Special Protective Equipment:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

#### Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** See section 8 – personal protection.
- Environmental Precautions:** Do not allow into open waterways and ground water systems.
- Method for Clean Up:** Rinse into sanitary sewer system or soak up with inert absorbent material.

#### Section 7: HANDLING AND STORAGE

- Handling:** Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and out of direct sunlight. Do not puncture any part of container.
- Storage:** Keep in cool dry area.

#### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	OSHA PEL	ACGIH TLV
2-butoxyethanol	TWA 50 ppm (240 mg/m <sup>3</sup> )	20 ppm (97 mg/m <sup>3</sup> )
Triethanolamine	-	5 mg/ m <sup>3</sup>

- Exposure Controls:**
- Eye Contact:** Use protective glasses if splashing or spray-back is likely.
- Respiratory:** Use in well ventilated areas.
- Skin Contact:** Prolonged exposure or dermal sensitive individuals should use protective gloves.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White Foam	<b>Vapor Pressure:</b>	18 mmHg @20°C (formula) 1640 mmHg @68°C (butane) 6350 mmHg @68°C (propane)	
<b>Odor:</b>	Detergent odor	<b>Density:</b>	8.5 lb/gal;	
<b>Specific Gravity:</b>	1.010 - 1.040	<b>Water Solubility:</b>	100%	
<b>pH:</b>	9.0 – 9.9	<b>VOC composite Partial Pressure:</b>	TBD	
<b>Boiling Point:</b>	~212°F (100.6 °C)	<b>VOC:</b>	CARB Method 310	8.0%
<b>Freezing Point:</b>	~ 32°F (0 °C)			

**Section 10: STABILITY AND REACTIVITY**

Stability: Stable  
 Materials to Avoid: None known  
 Hazardous Decomposition Products: Normal products of combustion - CO, CO<sub>2</sub>;

**Section 11: TOXICOLOGICAL INFORMATION**

Acute Toxicity: Oral LD<sub>50</sub> (rat) > 5 g/kg body weight  
 Dermal LD<sub>50</sub> (rabbit) > 5 g/kg body weight  
 Toxicity calculated from ingredients using OECD SERIES ON TESTING AND ASSESSMENT Number 33

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

**Section 12: ECOLOGICAL INFORMATION**

Hazard to wild mammals: Low, based on toxicology profile  
 Hazard to avian species: Low, based on toxicology profile  
 Hazard to aquatic organisms: Low, based on toxicology profile  
 Chemical Fate Information: Biodegradable based on biodegradation profile of ingredients

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Method for Disposal:

- Unused Product: \*Dilute with water to use concentration and dispose by sanitary sewer.
- Used Product: \* Used product may be hazardous depending on the cleaning application and resulting contaminants.
- Empty Containers: \*Triple-rinse with water and offer for recycling if available in your area. Otherwise, dispose as non-hazardous waste.

\*Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

**Section 14: TRANSPORT INFORMATION**

MODE	BASIC DESCRIPTION	ADDITIONAL DESCRIPTION	PACKAGE INSTURCTION	ER INFORMATION
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
IMDG	Aerosols [For all sizes]	2, UN1950		ERG 126, EmS 2-13, MFAG 620
DOT (40 CFR)	Consumer Commodity [For all sizes]	ORM-D		ERG 171
UPS Air	Consumer Commodity [For all sizes]	ORM-D-AIR		ERG 171

**Section 15: REGULATORY INFORMATION**

All components are listed on: TSCA, DSL and AICS Inventory.

No components listed under: Clean Air Act Section 112; Clean Water Act 307 & 311

SARA Title III 2-butoxyethanol is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 as Category N230 – Certain Glycol Ethers.

RCRA Status: Not a hazardous waste CERCLA Status: No components listed

State Right To Know Lists

2-butoxyethanol Illinois, Massachusetts, New Jersey, Pennsylvania, Rhode Island  
 Triethanolamine Pennsylvania, Minnesota, Massachusetts

**WHMIS Classification** – Category D, subcategory 2B, eye irritant

Name	Toxic Substances List – Schedule 1 – CEPA (Canadian Environmental Protection Act)	NPRI Inventory
2-butoxyethanol	Yes	No

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada’s Controlled Products Regulation.

**Section 16: OTHER INFORMATION**

Questions about the information found on this MSDS should be directed to:

SUNSHINE MAKERS, INC. – TECHNICAL DEPARTMENT

15922 Pacific Coast Hwy. Huntington Beach, CA 92649

Phone: 800/228-0709 [8am-5pm Pacific time, Mon-Fri] Fax: 562/592-3830 Email: infoweb@simplegreen.com

**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.