

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Roof Cleaner

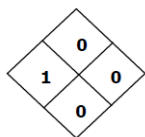
Additional Names:

Manufacturer's Part Number: 35060 – 1 gallon SW-PN 005692785
 35061 – 5 gallon SW-PN 005692793
 35062 – 55 gallon SW-PN 005692801

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 with an herbal 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	≥ 68%
1-Propoxy-2-propanol	1569-01-3	≤ 10%
Ethoxylated Alcohol	Proprietary	≤ 5%
Sodium Xylene Sulfonate	1300-72-7	≤ 5%
Tetrapotassium Pyrophosphate	7320-34-5	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Quaternary Ammonium Blend	Proprietary	≤ 1%
Fragrance	Proprietary	≤ 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:** 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. If upset occurs, consult physician

Section 5: FIRE FIGHTING MEASURES

This formula is stable, non-flammable, and will not burn. No special procedures necessary

- Flammability:** Non-flammable
- Flash Point:** Non-flammable

- Suitable Extinguishing Media:** Use Dry chemical, CO2.
- Extinguishing Media to Avoid** High volume jet water.
- Special Exposure Hazards:** In event of fire created carbon oxides, oxides of phosphorus may be formed.
- 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:** Dilute with water and 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.
- Storage:** Keep in cool dry area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:	OSHA PEL	ACGIH TLV
Tetrapotassium Pyrophosphate		5 mg/m ³

- 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

Appearance:	Clear Liquid	Vapor Pressure:	20.7 mmHg @20°C	
Odor:	Added herbal odor	Water Solubility:	100%	
Specific Gravity:	1.01 – 1.03	VOC composite Partial Pressure:	TBD	
pH:	9.0 – 9.9	VOC:	CARB Method 310	< 1.0%
Boiling Point:	~210°F (98 °C)	Freezing Point:	~ 32°F (0 °C)	

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Materials to Avoid: Oxidizing material – bleach, tub & tile cleaner, disinfectants, chlorinated compounds, additional mold/mildew removers.

Hazardous Decomposition Products: Normal products of combustion - CO, CO₂; Oxides of Phosphorous may occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD₅₀ (rat) > 2 g/kg body weight
 Dermal LD₅₀ (rabbit) Not established
 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 per biodegradation profile of ingredients

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal:

Unused Product: *Dilute with water 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

U.S. Department of Transportation (DOT) / Canadian TDG: Not Regulated

IMO / IDMG: Not classified as Dangerous

ICAO/ IATA: Not classified as Dangerous

ADR/RID: Not classified as Dangerous

U.N. Number	Not Required	Proper Shipping Name:	Detergent Solution
Hazard Class:	Non-Hazardous	Marine Pollutant:	No

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 No reportable ingredients

<u>RCRA Status:</u>	Not a hazardous waste	<u>CERCLA Status :</u>	No components listed
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State Right To Know Lists

1-Propoxy-2-propanol	Pennsylvania, New Jersey
Sodium Xylene Sulfonate	Pennsylvania, New Jersey

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

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