

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green Roof Cleaner

Manufacturer's Product Code Numbers: 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 Harbour, 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

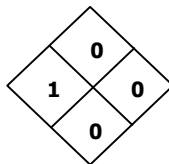
Use of Product Simple Green Roof Cleaner is an easy-to-use liquid that aids in the removal of a broad spectrum of soils and biological growth such as mold, mildew, algae, lichen, moss etc. Can be used on asphalt shingle, concrete shake, slate, terracotta and more.

Section 2: HAZARDS IDENTIFICATION

Simple Green Roof Cleaner is a colorless liquid with a very faint detergent-like odor. It is non-flammable, non-combustible, non-explosive, and non-reactive.

Hazard Rating (NFPA/HMIS)

Health = 1* Reactivity = 0
Fire = 0 Special = 0
* Mild eye irritant, non-mutagenic and non-carcinogenic



Rating Scale

0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe

Eye Contact: Eye Irritant.

Skin Contact: Prolonged skin contact with Simple Green Roof Cleaner may irritate the skin. Repeated daily application to the skin without rinsing, or continuous contact of Simple Green Roof Cleaner on the skin may lead to irritation.

Ingestion: Essentially non-toxic. May cause stomach or intestinal upset if swallowed.

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using Simple Green Roof Cleaner over a prolonged period of time. Open windows or ventilate via fan or other air-moving equipment if necessary. Mucous membranes may become irritated by concentrate mist.

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

Medical Conditions: No medical conditions are known to be aggravated by exposure to Simple Green Roof Cleaner.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredients</u> | <u>CAS Number</u> | <u>OSHA PEL ACGIH TLV</u> |
|--------------------|-------------------|---------------------------|
| Surfactants | Proprietary | None established |
| Wetting Agents | Proprietary | None established |
| Buffers | Proprietary | None established |

Section 4: FIRST AID MEASURES

If in Eyes: Immediately rinse the eye with large quantities of cool water; if present, contact lenses should be removed after 5 minutes of rinsing; continue rinsing 10-15 minutes more. Both upper and lower lids should be lifted to facilitate thorough rinsing.

If on Skin: Minimal effects, if any, from diluted product; rinse skin with water, rinse shoes and launder clothing before reuse. - Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area.

Section 4: FIRST AID MEASURES (cont.)

If Inhaled: Use in well-ventilated area, or use adequate protection from inhaling mist during spray applications. Prolonged exposure of workers to concentrate-mist during spray application may cause mild irritation of nasal passages or throat. If this happens, relocate workers to fresh air.

If Ingested: Give several glasses of milk or water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: Not flammable/non-explosive. No special procedures required.

Special Fire Fighting Procedures: None required.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes. Do not rub eyes with hands during cleanup. No special precautions for dermal contact are needed. Wash hands thoroughly after cleaning up spill or leak.

Procedure to follow in case of spill or leak: Evacuate area. Identify source of leak or spill and contain with sand, earth, or containment bin. Then proceed to clean up spill or leak.

Method for cleaning up: Recover all usable material. Residual may be removed by wipe or wet mope. Rinse area with plenty of water and mop to sanitary sewer.

Section 7: HANDLING AND STORAGE

No special handling is required. Keep in a closed plastic container. Store at ambient temperature. Avoid contact with eyes. Wash hands thoroughly after handling. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.**

This material does not meet the definition of a hazardous material according to 49 CFR, ICAO, IMDG and the UN Orange Book.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures: No special requirements under normal use conditions.

Exposure Limits: The Simple Green Roof Cleaner formulation presents no health hazards to the user, other than mild eye irritancy.

Eye protection: Caution, including reasonable eye protection, should always be used to avoid eye contact where splashing may occur, such as during spray applications.

Respiratory Protection: No special precautions required.

Ventilation: No special ventilation is required during normal use.

Skin protection: No special precautions required; rinse completely from skin after contact.

General hygiene conditions: There are no known hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common good industrial hygiene practices:

- Avoid breathing vapor or mist.
- Avoid contact with eyes.
- Wash thoroughly after handling and before eating, drinking, or smoking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------|--------------------------------|--------------------------|---------------|
| Appearance: | Clear Liquid | Freezing Point: | -9 °C (16 °F) |
| Odor: | Very faint detergent-like odor | Boiling Point: | 98°C (209°F) |
| pH: | 9.5 | Specific Gravity: | 1.011 |
| Evaporation Rate: | 0.4 (butyl acetate = 1) | Vapor Pressure: | 20.7 mm Hg |
| Water Solubility: | 100% | Vapor Density: | 1.3 (air = 1) |

Section 10: STABILITY AND REACTIVITY

Stability: Stable.
Materials to Avoid: **Contains ammoniated compounds – do not mix with bleach, tub & tile cleaner, mold/mildew removers, or chlorinated compounds.**
Hazardous Decomposition Products: None expected

Section 11: TOXICOLOGICAL INFORMATION

Toxicity Data: Available from relevant laboratory testing of ingredients or similar mixtures.

Acute Toxicity: Oral LD₅₀: >2.0 g/kg body weight Dermal LD₅₀: Not estimated
Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 17 (mild irritant) on a scale of 110 (extremely irritating); all scores were normal at seven days.
Dermal Irritation: In a standard test on rabbits, mild irritation was found at 72 hours; well-defined reddening was observed at 7 and 14 days after exposure.
Dermal Sensitization: No allergic reactions occurred in guinea pigs treated with Simple Green Roof Cleaner.
Carcinogenicity: Simple Green Roof Cleaner contains no carcinogenic compounds as defined by the National Toxicology Program (NTP), the international Agency for Research on Carcinogens (IARC), or the Occupational Health and Safety Administration (OSHA).

Section 12: ECOLOGICAL INFORMATION

Biodegradability: All components are inherently biodegradable.
Ecotoxicity: Not Tested.

Section 13: DISPOSAL CONSIDERATIONS

Unused Product: * Dilute with water 1:10 (1 part Simple Green® to 10 parts 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. 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

This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations. Simple Green Roof Cleaner requires no special labeling or placarding to meet U.S. Department of Transportation requirements.
IATA Proper Shipping Name: Detergent solution Hazard Class: Nonhazardous UN Number: Not Required

Section 15: REGULATORY INFORMATION

*Reportable components: None. The U.S. Environmental Protection Agency (EPA) has determined that propylene glycol ethers are not included within the listed category "glycol ethers" under either EPCRA §313 Toxic Release Inventory or Clean Air Act §112 Hazardous Air Pollutants (both lists include only ethylene glycol ethers). Nor are propylene glycol ethers included in the various EPA Resource Conservation and Recovery Act, and Clean Water Act lists, nor the California Proposition 65 lists.

All components are listed on: EINECS and TSCA Inventory

No components listed under: Clean Air Act Section 112

RCRA Status: Not a hazardous waste.

CERCLA Status: No components listed

TSCA TRI Reporting: Not required / Not listed

CA PROP. 65 Status: No components listed

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 Harbour, 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.