

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Club & Grip Cleaner
Additional Names: Simple Green® Golf Foam (non-aerosol)

Manufacturer's Product Code Numbers: 67109 – 7 oz Pump Foam

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

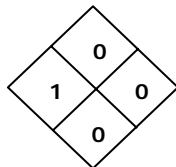
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-225-3924

Use of Product: A specialized cleaner for use on golf clubs, grips, bags and shoes.

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. Mild eye irritant.
Simple Green® Club & Grip is a colorless liquid with a very detergent-like odor.

HMIS Rating:

Health = 1 = slight

Fire = 0

Reactivity, and Special = 0 = minimal

Eye Contact: Eye Irritant (due to defatting effects.)

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure to foam may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.

Ingestion: May cause stomach or intestinal upset if swallowed (due to deterative properties.)

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present when using Simple Green® Club & Grip over a prolonged period of time.

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® Club & Grip.

UN Number: Not Required

Dangerous Goods Class: Nonhazardous

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

The only ingredient of Simple Green® Club & Grip Cleaner with an established exposure limit is undiluted 2-butoxyethanol (< 6%) (Butyl Cellosolve: CAS number 111-76-2; The ACGIH TLV-TWA is 20 ppm (97 mg/m³).

Based upon chemical analysis, Simple Green Club & Grip Cleaner contains no known EPA priority pollutants, heavy metals, or chemicals listed under RCRA, CERCLA, or CWA. Analysis by TCLP (Toxicity Characteristic Leaching Procedure) according to RCRA revealed no toxic organic or inorganic constituents.

All Components of Simple Green® Club & Grip Cleaner are listed on TSCA Chemical Substance Inventory.

Section 4: FIRST AID MEASURES

Eye Contact: 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.

Section 4: FIRST AID MEASURES – continued –

- Skin Contact:** Minimal effects, if any; rinse skin with water, rinse shoes and launder clothing before reuse. Reversible reddening may occur in some dermal-sensitive users; thoroughly rinse area and get medical attention if reaction persists.
- Swallowing:** Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation:** Intentional concentration of propellant could cause respiratory irritation, headache, nausea, fatigue, drowsiness, impaired coordination. Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Section 5: FIRE FIGHTING MEASURES

Simple Green® Club & Grip Cleaner is stable, not flammable, and will not burn.

- Flash Point/Auto-Ignition:** Not flammable.
- Flammability Limits:** Not flammable.
- Extinguishing Media:** Not flammable/nonexplosive. 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.

Method for cleaning up: Recover all reusable material by convenient method. Residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

Section 7: HANDLING AND STORAGE

No special precautions required. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits:** The Simple Green® Club & Grip formulation presents no health hazards to the user, other than mild eye irritancy. No special requirements or precautionary measures needed under normal use conditions.
- Ventilation:** No special ventilation is required during normal use. No special precautions or respiratory protection required under normal use conditions. Use exhaust ventilation if necessary to keep airborne concentrations below exposure limits.
- Human Health Effects or Risks From Exposure:** Adverse effects on human health are not expected from use. Simple Green® Club & Grip^{is} a mild eye irritant; mucous membranes may become irritated by foam. Foaming Simple Green® is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact of Foaming Simple Green® may lead to temporary but reversible irritation.
- Eye protection:** Wear chemical splash goggles or face shield when eye contact is possible due to splashing or spraying Foaming Simple Green®.
- Skin protection:** Gloves or other skin protection are generally not needed under normal use conditions of Foaming Simple Green®. Prolonged or repeated skin exposure over long periods of time, pre-existing skin conditions such as dermatitis, or allergic response to contact with the product may warrant the use of gloves, barrier creams, chemical aprons or other skin protection.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION – continued –

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	Vapor Pressure:	18 mm Hg @ 20°C; 23.5 mm Hg @ 26°C
Odor:	Detergent-like odor	Boiling Point:	100.6 °C
Evaporation:	>1 (butyl acetate = 1)	Freezing Point:	-9 °C
Specific Gravity:	1.020 ± 0.015	Water Solubility:	100%
pH:	9.35	VOC:	< 4.0% per EPA Method 24.
VOC composite partial pressure:	0 mm Hg @ 20°C		

Section 10: STABILITY AND REACTIVITY

Stability: Stable, even under fire conditions
 Materials to Avoid: None known
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition Products: None expected

Section 11: TOXICOLOGICAL INFORMATION

The information and conclusions cited in this section are based on data and testing of Simple Green®. Data is directly applicable to Simple Green® Club & Grip because both formulations are virtually identical, except for fragrance and color.

Nonhuman Toxicity (Data for Simple Green®)

Acute Toxicity: Oral LD₅₀ (rat): >5.0 g/kg body weight Dermal LD₅₀ (rabbit) >2.0 g/kg body weight

Eye Irritation: With or without rinsing with water, the irritation scores in rabbits at 24 hours did not exceed 15 (mild irritant) on a scale of 0-110.

Dermal Irritation: Only mild, but reversible, irritation was found in a standard 72 hour test on rabbits. A value of 0.2 (non-irritating) was found on a scale of 0-8.

Subchronic dermal effects: No adverse effects, except reversible dermal irritation, were found in rabbits exposed to Simple Green (up to 2.0 g/kg/day for 13 weeks) applied to the skin of 25 males and 25 females. Only female body weight gain was affected.

Fertility Assessment by Continuous Breeding: The Simple Green formulation had no adverse effect on fertility and reproduction in CD-1 mice with continuous administration for 18 weeks, and had no adverse effect on the reproductive performance of their offspring.

Section 12: ECOLOGICAL INFORMATION

Biodegradability: Like Simple Green®, Simple Green® Club & Grip is readily decomposed by naturally occurring microorganisms. The biological oxygen demand (BOD), as a percentage of the chemical oxygen demand (COD), will approximate 60% after 11 days. In a standard biodegradation test with soils from three different countries. Butyl Cellosolve reached 50% degradation in six to 23 days, depending upon soil type, and exceeded the rate of degradation for glucose, which was used as a control for comparison. Per OECD Closed Bottle Test, Simple Green Club & Grip meets OECD and EPA recommendations for ready biodegradability.

Section 12: ECOLOGICAL INFORMATION – continued –

Environmental Toxicity Information: Simple Green® Club & Grip is considered practically non-toxic per EPA's Aquatic toxicity scale.

Section 13: DISPOSAL CONSIDERATIONS

Foaming Simple Green® is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state and federal laws.

Containers: Do not throw empty containers in trash compactor or into fire. Do not store in direct sun.

*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 Club & Grip requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

UN Number: Not required

Dangerous Goods Class: Nonhazardous

Section 15: REGULATORY INFORMATION

Reportable components: None.

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 TIR 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.