

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Marine All-Purpose Boat Cleaner

Additional Names: Simple Green® Marine Cleaner

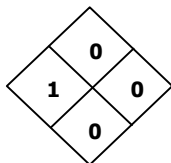
Manufacturer's Product Code Numbers: 19520 = 22 oz. trigger-spray bottles
19528 = 1 gallon bottlesCompany: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Harbour, CA 92649 USA

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

Website: www.simplegreen.com

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

Use of Product: A dilutable cleaning solution that removes grease, grime, oil, gas, diesel fuel, fish blood and more from washable surfaces.

Section 2: HAZARDS IDENTIFICATION**NONHAZARDOUS****Emergency Overview: CAUTION. Mild eye irritant.****Simple Green® Marine Cleaner is a colorless liquid with no odor. It is non-flammable, non-combustible, non-explosive, and non-reactive.**NFPA/HMIS Rating:

Health = 1 = slight

Fire, Reactivity, and Special = 0 = minimal

Eye Contact: Mild Eye Irritant (due to mild defatting effects.)**Skin Contact:** No adverse effects expected under typical use conditions. Prolonged exposure to concentrate may cause dryness. Under this condition, use of gloves or skin moisturizer after washing may be indicated.**Ingestion:** May cause mild stomach or intestinal upset if swallowed (due to slight deterative properties.)**Inhalation:** No adverse effects expected under typical use conditions.**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® Marine Cleaner**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**The only ingredient of Simple Green® Marine Cleaner with established exposure limits is undiluted 2-butoxyethanol (<4%) (Butyl Cellosolve; CAS No. 111-76-2; the ACGIH TLV-TWA is 20 ppm [97 mg/m³].)

Based upon chemical analysis, Simple Green® Marine 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® Marine Cleaner are listed on the TSCA Chemical Substance Inventory.

Section 4: FIRST AID MEASURES

- If in eyes: 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 on skin: 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.
- If ingested: Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- If inhaled: Exposures to concentrate-mist may cause mild irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.

Section 5: FIRE FIGHTING MEASURES

- Simple Green® Marine Cleaner is stable, not flammable, and will not burn.
- Flash Point/Auto-Ignition: Not flammable
- Flammability Limits: Not flammable
- Extinguishing Media: Not flammable/non explosive. No special procedures required.
- Special Fire Fighting Procedures: None required.

Section 6: ACCIDENTAL RELEASE MEASURES

Recover usable 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 are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** Simple Green® Marine Cleaner requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

UN Number: Not required Dangerous Goods Class: Nonhazardous

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Eye contact: Access to eye bath or water source is recommended in case of eye contact. Thoroughly wash hands after contact to prevent hand to eye transference.
- Ventilation: No special ventilation is required during use. Large-scale uses indoors should provide an increased rate of air exchange.
- Eye protection: Wear chemical splash goggles or face shield when eye contact is possible due to splashing or spraying Simple Green® Marine Cleaner.
- Skin protection: Gloves or other skin protection are generally not needed under normal use conditions of Simple Green® Marine Cleaner. Prolonged soaking in the product, 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.
- 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	Odor:	None; characteristic odor that is not indicative of any hazardous situation.
pH:	9.35	Density:	8.5 lbs/gal
Vapor Density:	1.3 (air = 1)	Vapor Pressure:	18 mm Hg @ 20°C; 23.5 Hg @ 26 °C
Specific Gravity:	1.020	Water Solubility:	100%
Boiling Point:	212°F (100.6 °C)	Evaporation:	> 1 (butyl acetate = 1)
Freezing Point:	- 9°C (16 °F); If product freezes, it will reconstitute without loss of efficacy when brought back to room temperature and agitated	VOC Composite Partial Pressure:	0 mm Hg @ 20°C
Volatile Organic Compounds (VOCs): Cleaner meets CARB & BAAQMD regulations. Cleaner must be diluted 1:1 with water to Meet SCAQMD Rule 1171 & Rule 1122 VOC requirements for solvent cleaning operations.			
CARB Method 310	3.8%		
SCAQMD Method 313	2.8%		

Section 10: STABILITY AND REACTIVITY

Non-reactive. Simple Green® Marine Cleaner is stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Toxicology information is based on chemical profile of ingredients and extrapolation of data from similar formulas. No animal testing has been conducted on this product.

Acute Toxicity: Oral LD₅₀ (rat) >5 g/kg body weight* *Calculation from OECD series on testing and assessment number 33, Chapter 3.2
Dermal LD₅₀ (rabbit) >2 g/kg body weight

Eye Irritation: Moderate / 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.

Dermal Irritation: Mild, reversible skin irritation may occur based on relevant laboratory studies. A 6-hour exposure to human skin under a patch did not produce irritation

Repeat Exposure Via Skin Contact: Based on relevant laboratory studies, no toxic effects are expected to be associated with daily skin exposures (with up to 2 g/kg/day tested for 13 weeks on rabbits). Skin irritation may, however, occur with repeated or prolonged exposures.

Reproductive Effects Assessment: Based on Relevant laboratory studies (CD-1 mouse 18-week fertility assessment continuous breeding), no adverse effects on reproduction, fertility, or health of offspring are expected.

Section 12: ECOLOGICAL INFORMATION

Hazard to wild animals & aquatic organisms: Low, based on toxicological profile.

Biodegradability: Readily biodegradable based on biodegradation profile.

Environmental Toxicity Information: It is important not to allow the runoff from cleaning into closed systems such as decorative ponds. Always protect closed systems with tarps or dikes if necessary.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal of Simple Green® Marine Cleaner

- Unused Product: *Dilute with water to use concentration (1:10) and dispose by sanitary sewer.
- Used Product: *This product can enter into clarifiers and oil/water separators. 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

IATA Proper Shipping Name: Detergent solution

Hazard Class: Nonhazardous

Section 15: REGULATORY INFORMATION

All components are listed on: EINECS and TSCA Inventory

No components listed under: Clean Air Act Section 112

SARA: This material contains 2-Butoxyethanol, <4%, (CAS# 111-76-2) which is subject to the reporting requirements of Section 313 of SARA Title III and 49 CFR Part 373.

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

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