

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Car Wash

Manufacturer's Product Code Numbers: 43212 – 2 oz 43211 – 1 gallon Bottle 43255 – 55 Gallon Drum
43210 – 2 liter Bottle 43230 – 5 gallon Pail

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

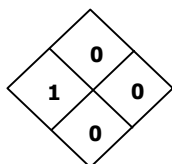
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

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

Use of Product: Exterior vehicle wash. Simple Green® Car Wash is a concentrated, thick liquid product meant to be diluted with water according to label instructions for general consumer and commercial auto care.

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION. Mild eye irritant.
Simple Green® Car Wash is a viscous apple green liquid with an apple/fruit odor.



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

Eye Contact: Moderate Eye Irritant.

Skin Contact: No adverse effects expected under typical use conditions. Prolonged exposure to wipe 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 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® Car Wash. Dermal-sensitive users may experience mild but reversible reactions.

UN Number: Not Required **Dangerous Goods Class:** Non-hazardous

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Based upon chemical analysis, Simple Green® Car Wash contains no known EPA priority pollutants, heavy metals, or chemicals listed under RCRA, CERCLA, or CWA.

All components of Simple Green® Car Wash are listed on the 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.

Skin Contact: Minimal drying 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.

Section 4: FIRST AID MEASURES – continued –

Swallowing: Irritating. Give several glasses of water to dilute; do not induce vomiting. Do not give anything by mouth to an unconscious person. Detergent effects may cause nausea and diarrhea for a short period of time. If stomach upset occurs, consult physician.

Inhalation: Exposure to mist may cause irritation of nasal passages or throat; remove to fresh air. Get medical attention if irritation persists.

Section 5: FIRE FIGHTING MEASURES

Simple Green® Car Wash 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

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 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® Car Wash requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

UN Number: Not Required **Dangerous Goods Class:** Non-hazardous

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: The Simple Green® Car Wash formulation presents no health hazards to the user when used according to label directions for its intended purposes. Skin and eye irritation is possible (please see Eye contact and Skin contact in section IV.) No special precautionary measures required under normal use conditions.

Ventilation: No special ventilation, precautions or respiratory protection is required during normal use.

Human Health Effects or Risks From Exposure: Adverse effects on human health are not expected from Simple Green® Car Wash based on chemical profile and when used according to label instructions for intended purposes.

Eye protection: Simple Green® Car Wash is a moderate eye irritant; mucous membranes may become irritated by mist. Eye protection not generally required.

Skin protection: Simple Green® Car Wash is not likely to irritate the skin in the majority of users. Repeated daily application to the skin without rinsing, or continuous contact on the skin may lead to temporary, but reversible, irritation. 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: Viscous green liquid.		Odor: Apple/fruit-blend.	
Specific Gravity:	1.0331 @ 25°C	Viscosity:	465 cTs @ 25°C
Evaporation:	>1 (butyl acetate = 1)	Phosphate Content:	Phosphorus/Phosphates = 0
Water Solubility:	100%	Boiling Point:	100.6°C (212°F)
VOC Composite Partial Pressure: 0.006 mmHg @ 20°C		pH:	8.5
Freezing Point: Approx -0 °C (32 °F) <i>Avoid freezing as efficacy is diminished with each freeze/thaw cycle.</i>			
Volatile Organic Compounds (VOCs): Per California ARB Method 310, VOC's are less than 5%. Cleaner must be diluted per label instructions to meet EPA, CARB, SCAQMD and other air quality districts'.			

Section 10: STABILITY AND REACTIVITY

Stability: Stable
Materials to Avoid: None known
Hazardous Decomposition Products: None expected

Section 11: TOXICOLOGICAL INFORMATION

No animal testing has been done upon this product. Based upon toxicity profile of components, it is expected that this product meets or exceeds the following toxicity thresholds -

Acute Toxicity:

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

Eye Irritation: Product is irritating to eyes due to presence of Sodium Cocoamide DEA. This ingredient is common among many shampoos, and is present in Simple Green® Car Wash at less than 1.05% by weight. Therefore, eye irritation is expected with reversible tearing and reddening the only symptoms likely.

Dermal Irritation: Only mild, but reversible, dermal irritation was found on human volunteer after 72 hour exposure to concentrate.

Subchronic Dermal effects: No adverse effects, except reversible dermal irritation. This product is not a dermal sensitizer.

Section 12: ECOLOGICAL INFORMATION

Biodegradability: Simple Green Car Wash is substantially biodegradable. In use dilution, this formula is decomposed by naturally occurring microorganisms. OECD 301B, Closed Bottle biodegradability test results are 29% after 7 days, 60% after 14 days, 53% after 21 days, and 47% after 28 days. This product is classified as biodegradable.

Aquatic Toxicity: This product poses no significant risk to aquatic life when used and disposed of according to label directions.

Section 13: DISPOSAL CONSIDERATIONS

Simple Green® Car Wash 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.

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 transport according to the U.S. Department of Transportation Services

UN Number: Not required

Dangerous Goods Class: Nonhazardous

Section 15: REGULATORY INFORMATION

*Reportable components:

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

International Regulatory Information

All components of this product are found on the following lists:

Canada – DSL

Europe – EINICS

Japan – ENCS or METI

Australia - AICS

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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