

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Laundry - Free & Clear
 Additional Names: Simple Green® 2X Laundry Detergent ; Simple Green® Laundry Detergent

Manufacturer's Product Code Free & Clear 100 oz: 17100
 Numbers:

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

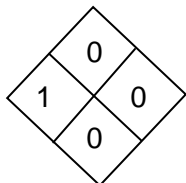
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

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

Use of Product: A ready-to-use liquid soap for use in all types of washing machines to clean dirty laundry.

Section 2: HAZARDS IDENTIFICATION

NONHAZARDOUS



HMIS Rating:

Health = 1 = Slight*, Flammability, Physical, and Reactivity = 0 = Minimal

*The concentrated laundry detergent is an irritant if in contact with eyes.

- Eye Contact:** No adverse effects expected under typical use conditions.
- Skin Contact:** No adverse effects expected under typical use conditions.
- Ingestion:** May cause stomach or intestinal upset if swallowed (due to 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 this product.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Hazardous Ingredients: None		Reportable Ingredients: None	
	Concentration (%)		CAS#	LD ₅₀ (oral)
Aqua (water)	>10 - <100		7732-18-5	Not applicable
Sodium Lauryl Sulfate (SLS)	>5 - <20		151-21-3	>2,000 mg/kg (rat)
Ethoxylated Coco-alkyl amine	<5		61791-14-8	>500 - 2,000 mg/kg (rat)
Sodium Gluconate	>1 - <5		527-07-1	>2,000 mg/kg (rat)
Coco fatty acid	<1		61788-47-4	>5,000 mg/kg (rat)
Potassium hydroxide	<1		1310-58-3	500 – 700 mg/kg (rabbit)
Sodium Tetraborate	>1 - <5		1330-43-4	4,500 – 5,000 mg/kg (rat)
Ethoxylated Fatty Alcohol	≤5		68131-39-5	>2,000 mg/kg (rat)
Protease	<1		9014-01-1	>2,000 mg/kg (rat)
Alpha-Amylase	<1		9000-90-2	>2,000 mg/kg (rat)
Lipolase	<1		9001-62-1	>2000 mg/kg (rat)
Xanthan Gum	<1		11138-66-2	>5,000 mg/kg (rat)

Section 4: FIRST AID MEASURES

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, moving lower and upper eyelids away from eye to flush out all product. If irritation persists beyond 12 hours after contact, seek medical attention.

If ingested: Drink plenty of water to dilute. Stomach or intestinal upset may occur due to deterative properties.

Section 5: FIRE FIGHTING MEASURES

This product is non-flammable, non combustible, and non-explosive. Any form of extinguishing media may be used on and around this product.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear eye protection if splashing or misting of diluted product is likely to occur. Do not rub eyes with hands during cleanup. No special precautions for dermal contact are needed. Rinse hands thoroughly after cleaning up spill or leak.

Procedure to follow in case of spill or leak: Product may create slippery floor surface – caution should be taken. Evacuate area. Identify source of leak or spill and contain with sand, earth, or containment bin. Proceed to clean up spill.

Method for cleaning up: Recover all reusable material. Rinse area with plenty of water and mop to sanitary sewer.

Section 7: HANDLING AND STORAGE

No special handling is required. Avoid contact with eyes. Rinse hands thoroughly after handling.

Keep in a closed plastic container. Store at ambient temperature. Avoid excessive heat.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye contact: Access to eye bath or water source is recommended in case of eye contact. Thoroughly rinse hands after contact to prevent hand-to-eye transference.

Eye protection: Goggles or other eye protection are not needed under normal use conditions.

Skin protection: Not expected to be needed. Persons with pre-existing skin conditions (dermatitis, eczema, psoriasis, etc.) may want to initially use with caution, or spot-test inside the wrist to ensure no reaction.

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 contact with eyes.
- Rinse hands after handling and before eating, drinking, or smoking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Translucent Clear to Slightly Opaque Thickened Liquid		
Odor:	Free & Clear = slight detergent	Flash Point:	None to boiling
Specific Gravity:	As water	Density:	@ 1.04 g/cc
pH (of concentrate):	7.8 - 9	Viscosity:	@ 200 - 300 cps
Freezing Point:	Approx 32°F / 0°C	Boiling Point:	≥ 212°F / 100°C
Phosphate Content:	0 (by formula)	Water Solubility:	100%
VOCs: = <1% per VOCs of formula ingredients – CARB Method 310			

Section 10: STABILITY AND REACTIVITY

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

Section 11: TOXICOLOGICAL INFORMATION

Values have been calculated from the known toxicity of ingredients using *Calculation from OECD series on testing and assessment number 33, Chapter 3.2*. No animal tests were performed on this product

Acute Toxicity: Oral LD₅₀ > 5g/kg body weight Dermal LD₅₀ > 2 g/kg body weight
 Eye Irritation: Mild reversible eye irritation may occur. This potential is reduced by immediate rinsing of eyes in case of eye contact.
 Dermal Irritation: Not expected.
 Allergic Reaction: Based on knowledge of ingredients, this product has no overt potential to create skin allergy or allergic reaction.
 Repeat Exposure Via Skin Contact: Skin irritation not expected.

Section 12: ECOLOGICAL INFORMATION

Hazard to wild mammals: None, based on ingredient information
 Hazard to avian species: None, based on ingredient information
 Hazard to aquatic organisms: None, based on ingredient information
 Chemical Fate Information: Readily biodegradable per OECD 301D Closed Bottle Test, achieving > 60% degradation in 28 days.
 When used according to label instructions and disposed of according to prevailing laws, ingredients of this product will not cause endocrine disruption, will not bio-accumulate, and will not pollute water tables. Product is phosphate-free.

Section 13: DISPOSAL CONSIDERATIONS

Unused Product: *Dilute with water and dispose by sanitary sewer or septic system.
 Empty Container: *Product residues can be completely removed by rinsing with water. This container should be recycled (#1 PET plastic) or applied to other uses. Dispenser-cap is polypropylene and should be submitted for recycling separately from bottle.

*Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. It is a violation of US Federal law to allow any cleaner (fresh or used) to enter into lakes, streams, and open bodies of water or into storm drains.

Section 14: TRANSPORT INFORMATION

IATA Proper Shipping Name: Detergent solution

Hazard Class: Nonhazardous

Section 15: REGULATORY INFORMATION

<u>Reportable components:</u>	None	<u>RCRA Status:</u>	Not a hazardous waste.
<u>All components are listed on:</u>	EINECS & TSCA Inventory, and are REACH preregistered	<u>CERCLA Status:</u>	No components listed
<u>No components listed under:</u>	Clean Air Act	<u>CA PROP. 65 Status:</u>	No components listed
<u>TSCA TIR Reporting:</u>	Not required / Not listed	<u>NJRTK:</u>	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] *Phone:* 800/228-0709 [8am-5pm Pacific time, Mon-Fri] *Phone:* 800/228-0709 [8am-5pm Pacific time, Mon-Fri]

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