

Section 1: IDENTIFICATION

Product Name: Simple Green® Industrial Laundry – Free & Clear

Additional Names:

Manufacturer's Part Number: *Please refer to Section 16

Recommended Use: Laundry Detergent

Restrictions on Use: Non Laundry Detergent applications

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

Telephone: 800-228-0709 • 562-795-6000 *Mon – Fri, 8am – 5pm PST*

Fax: 562-592-3830

Email: info@simplegreen.com

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

Section 2: HAZARDS IDENTIFICATION

This product is considered hazardous under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

OSHA HCS 2012 Classification: Eye Corrosive / Irritant 2A
Skin Corrosive / Irritant 3

OSHA HCS 2012

Label Elements

Signal Word: Warning

Hazard Symbol(s)/Pictogram(s):



Hazard Statements: Causes mild skin irritation. Causes serious eye irritation.

Precautionary Statements: If skin irritation occurs: Get medical advice/attention. Wash hands thoroughly after handling. Wear eye protection. Wear protective gloves (when handling the concentrate). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Hazards Not Otherwise Classified (HNOC): None

Other Information: None Known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	> 76.882%*
Sodium Lauryl Sulfate	68585-47-7	< 5.000%*
C12-15 Alcohols Ethoxylated	68131-39-5	< 5.000%*
Sodium Gluconate	527-07-1	< 5.000%*
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	< 5.000%*
Coconut Acid	61788-47-4	< 1.000%*
Xanthan Gum	11138-66-2	< 1.000%*
Potassium Hydroxide	1310-58-3	< 1.000%*
Protease Enzyme	9014-01-1	< 0.100%*
Benzisothiazolinone	2634-33-5	< 0.006%*
Methylisothiazolinone	2682-20-4	< 0.006%*
Amylase Enzyme	9000-90-2	< 0.003%*
Lipase Enzyme	9001-62-1	< 0.003%*

*specific percentages of composition are being withheld as a trade secret

Section 4: FIRST-AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing.
Skin Contact: If skin irritation occurs: Get medical advice/attention.
Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Ingestion: May cause stomach upset. Drink plenty of water to dilute. See section 11.

Most Important Symptoms/Effects, Acute and Delayed: None known.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically

Section 5: FIRE-FIGHTING MEASURES

Suitable & Unsuitable Extinguishing Media: Use Dry chemical, CO₂, water spray or “alcohol” foam. Avoid high volume jet water.
Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides may be formed.
Special Protective Actions for Fire-Fighters: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

For non-emergency personnel: See section 8 – personal protection.

For emergency responders: Avoid eye contact. Use protective gloves and safety goggles.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Methods and Materials for Containment and Clean Up: Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 95°F (35°C) or freezing temperatures.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:

Subtilis 9014-01-1	California, Connecticut, Michigan, Minnesota, OSHA, Tennessee, Washington	0.00006 mg/m ³ STEL
Potassium Hydroxide 1310-58-3	California, Connecticut, Michigan, Minnesota, New York, Pennsylvania, Tennessee, Vermont, Washington,	2 mg/m ³ PEL

Appropriate Engineering Controls: Showers, eyewash stations, ventilation systems

Individual Protection Measures / Personal Protective Equipment (PPE)

Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION – continued

Respiratory: Use in well ventilated areas or local exhaust ventilation when cleaning small spaces.
 Skin Contact: Use protective gloves (any material.)
 General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to light yellow Liquid	Partition Coefficient: n-octanol/water:	Not determined		
Odor:	No added fragrance	Autoignition Temperature:	Non-flammable		
Odor Threshold:	Not determined	Decomposition Temperature:	95°F		
pH:	7.5 – 9.5	Viscosity:	170 – 300 cps		
Freezing Point:	0°C (32°F)	Specific Gravity:	1.01 – 1.04		
Boiling Point & Range:	101°C (213.8°F)	VOCs:	**Water & fragrance exemption in calculation		
Flash Point:	> 212°F	SCAQMD 304-91 / EPA 24:	Not tested		
Evaporation Rate:	Not determined	CARB Method 310**:	0.0 g/L	0.0 lb/gal	0.0%
Flammability (solid, gas):	Not applicable	SCAQMD Method 313:	Not tested		
Upper/Lower Flammability or Explosive Limits:	Not applicable	VOC Composite Partial Pressure:	Not determined		
Vapor Pressure:	Not determined	Relative Density:	8.42 – 8.67		
Vapor Density:	Not determined	Solubility:	100% in water		

Section 10: STABILITY AND REACTIVITY

Reactivity: Non-reactive.
Chemical Stability: Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Possibility of Hazardous Reactions: Hazardous gases may occur from contact with ammoniated or chlorinated products.
Conditions to Avoid: Excessive heat or cold.
Incompatible Materials: Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.
Hazardous Decomposition Products: Normal products of combustion - CO, CO2.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation -	Overexposure may cause headache.
Skin Contact -	Causes mild skin Irritation
Eye Contact -	Causes serious eye irritation.
Ingestion -	May cause upset stomach.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.
Interactive effects: Not known.

Numerical Measures of Toxicity

Acute Toxicity:

Oral LD ₅₀ (rat)	> 5 g/kg body weight
Dermal LD ₅₀ (rabbit)	> 5 g/kg body weight

Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals

Skin Corrosion/Irritation: Mild Skin Irritant per Dermal Irritation® assay modeling. No animal testing performed
Eye Damage/Irritation: Serious Eye Irritant per Ocular Irritation® assay modeling. No animal testing performed.
Germ Cell Mutagenicity: Mixture does not classify under this category.
Carcinogenicity: Mixture does not classify under this category.
Reproductive Toxicity: Mixture does not classify under this category.

Section 11: TOXICOLOGICAL INFORMATION – continued

STOT-Single Exposure: Mixture does not classify under this category.
STOT-Repeated Exposure: Mixture does not classify under this category.
Aspiration Hazard: Mixture does not classify under this category.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.

Aquatic: Not tested on finished formulation.

Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Readily Biodegradable based on OECD 301D testing. Hits 100% biodegradation in approximately 84 days from extended OECD 301D testing.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used Liquid: May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

Empty Containers: May be offered for recycling.

Never dispose of used rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

U.N. Number: Not applicable

U.N. Proper Shipping Name: Cleaning Compound, Liquid NOI

Transport Hazard Class(es): Not applicable

Packing Group: Not applicable

Environmental Hazards: Marine Pollutant - NO

Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code): Unknown.

Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises: None known.

U.S. (DOT) / Canadian TDG: Not Regulated for shipping.

IMO / IDMG: Not classified as Hazardous

ICAO/ IATA: Not classified as Hazardous

ADR/RID: Not classified as Hazardous

Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory.

SARA Title III: Sections 311/312 Hazard Categories – Not applicable.

Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.

Sections 302 – Not applicable.

Section 15: REGULATORY INFORMATION – continued

Clean Air Act (CAA): Not applicable

Clean Water Act (CWA): Potassium Hydroxide 1310-58-3, 1000 lb RQ

CERCLA: Potassium Hydroxide 1310-58-3, 1000 lb RQ

State Right To Know Lists: Potassium Hydroxide 1310-58-3 Massachusetts, New Jersey, Pennsylvania

California Proposition 65: No ingredients listed

This product has been classified as “classifiable as hazardous” in accordance with Consumer Product Safety Commission (16 CFR Chapter 2), and labelled and packaged accordingly.

US Consumer Product Safety Commission Regulations

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). However, the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. Therefore, the requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Section 16: OTHER INFORMATION

Size / unit

UPC

1 Gallon	044318003547
5 Gallon	043318003523
55 Gallon	043318003530
275 Gallon	043318003851

Not all items listed. USA items may not be valid for international sale.

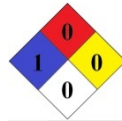
NFPA:

Health – Eye Irritant

Flammability – Non-flammable

Stability – Stable

Special - None



Acronyms

NTP	National Toxicology Program	IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration	CPSC	Consumer Product Safety Commission
TSCA	Toxic Substances Control Act	DSL	Domestic Substances List

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.

This SDS has been revised in the following sections: Aligned Section 3 with California Ingredient Disclosure and minor fixes.

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.