Version No. 13000-18A Issue Date: February 21, 2018 Supersedes Date: n.a. OSHA HCS-2012 / GHS

Section 1: IDENTIFICATION

Product Name: Simple Green® Industrial Cleaner & Degreaser

Additional Names:

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

Recommended Use: Cleaner & Degreaser for water tolerant surfaces.

Restrictions on Use: Do not use on non-rinsable surfaces.

Company: Sunshine Makers, Inc. **Telephone:** 800-228-0709 ● 562-795-6000 *Mon – Fri, 8am – 5pm PST*

15922 Pacific Coast Highway **Fax:** 562-592-3830

Huntington Beach, CA 92649 USA **Email:** info@simplegreen.com

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

Section 2: HAZARDS IDENTIFICATION

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

OSHA HCS 2012 Label Elements

Signal Word: None Hazard Symbol(s)/Pictogram(s): None required

Hazard Statements: None **Precautionary Statements:** None

Hazards Not Otherwise Classified (HNOC): None

Other Information: None Known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	Percent Range
Water	7732-18-5	> 84.8%*
Non-ionic Surfactant	68439-46-3	< 5%*
Sodium Citrate	68-04-2	< 5%*
Tetrasodium N,N-bis(carboxymethyl)-L-glutamate	51981-21-6	< 1%*
Sodium Carbonate	497-19-8	< 1%*
Citric Acid	77-92-9	< 1%*
Isothiazolinone mixture	55965-84-9	< 0.2%*
Fragrance	Proprietary Mixture	< 1%*
Colorant	Proprietary Mixture	< 1%*

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

Section 4: FIRST-AID MEASURES

Inhalation: Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.

Skin Contact: Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.

Eye Contact: Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.

Ingestion: May cause upset stomach. 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

Issue Date: February 21, 2018 Version No. 13000-18A Supersedes Date: n.a. OSHA HCS-2012 / GHS

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.

ACCIDENTAL RELEASE MEASURES Section 6:

Personal Precautions, Protective Equipment and Emergency Procedures: For non-emergency and emergency personnel: See section 8 – personal protection. Avoid eye contact. Safety goggles suggested.

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.

HANDLING AND STORAGE Section 7:

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 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

EXPOSURE CONTROLS / PERSONAL PROTECTION Section 8:

Exposure Limit Values: No components listed with TWA or STEL values under OSHA or ACGIH.

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.

Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.

Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.

General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Not determined Appearance: Green Liquid Partition Coefficient: n-octanol/water:

Odor: Added sassafras odor **Autoignition Temperature:** Non-flammable **Odor Threshold:** Not determined **Decomposition Temperature:** 109°F

pH ASTM D-1293: 8.5 - 9.5Like water Viscosity:

Freezing Point ASTM D-1177: 0-3.33°C (32-38°F) Specific Gravity ASTM D-891: 1.01 - 1.03

Boiling Point & Range ASTM D-1120: 101°C (213.8°F) VOCs: **Water & fragrance exemption in calculation

Flash Point ASTM D-93: > 212°F SCAQMD 304-91 / EPA 24: 0% 0 g/L 0 lb/gal Evaporation Rate ASTM D-1901: ½ Butyl Acetate @ 25°C CARB Method 310**: 2.5 g/L 0.021 lb/gal 0.25%

Flammability (solid, gas): Not applicable SCAQMD Method 313: Not tested

Upper/Lower Flammability or Explosive Limits: VOC Composite Partial Pressure: Not determined Not applicable Vapor Pressure ASTM D-323: 0.60 PSI @77°F, 2.05 PSI @100°F **Relative Density ASTM D-4017:** 8.34 - 8.42 lb/gal

Vapor Density: Not determined Solubility: 100% in water Safety Data Sheet: Simple Green® Industrial Cleaner & Degreaser

Version No. 13000-18A Issue Date: February 21, 2018 Supersedes Date: n.a. OSHA HCS-2012 / GHS

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: None known.

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 - Not expected to cause irritation, repeated contact may cause dry skin.

Eye Contact - Not expected to cause 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 LD₅₀ (rat) > 5 g/kg body weight

Dermal LD₅₀ (rabbit) > 5 g/kg body weight

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

Skin Corrosion/Irritation: Non-irritant per Dermal Irritection® assay modeling. No animal testing performed. **Eye Damage/Irritation:** Minimal irritant per Ocular Irritection® assay modeling. No animal testing performed.

Germ Cell Mutagenicity: Mixture does not classify under this category.

Carcinogenicity: No ingredients trigger or classify under this category under NTP, IARC or OSHA.

Reproductive Toxicity: Mixture does not classify under this category.

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: Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC₅₀ & IC₅₀ ≥100 mg/L. Volume of ingredients used

does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of

Chemicals.

Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Readily Biodegradable per OCED 301D, Closed Bottle Test

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 degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Page 3 of 4

Version No. 13000-18A Issue Date: February 21, 2018 Supersedes Date: n.a. OSHA HCS-2012 / GHS

Section 14: TRANSPORT INFORMATION

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 None known.

with transport or conveyance either within or outside their premises:

U.S. (DOT) / Canadian TDG: Not Regulated for shipping. ICAO/ IATA: Not classified as Hazardous IMO / IDMG: Not classified as Hazardous ADR/RID: Not classified as Hazardous

Section 15: REGULATORY INFORMATION

Section 16: OTHER INFORMATION

Size UPC Size UPC

 24 fl. oz.
 043318000034
 55 Gallon
 043318000027

 1 Gallon
 043318000003
 15 Gallon
 043318000225

 5 Gallon
 043318000010
 275 Gallon
 043318000102

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

NFPA:

Health – None Stability – Stable Flammability – Non-flammable 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:** SDS created

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.