

Section 1: IDENTIFICATION

Product Name: Simple Green® All-Purpose Cleaner

Additional Names: Simple Green® Industrial Cleaner & Degreaser

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

Recommended Use: Cleaner/Degreaser that can be used full strength or diluted on any rinseable surface.

Company: Sunshine Makers, Inc.

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

Section 2: HAZARDS IDENTIFICATION**GHS Hazards classification:** Not classifiable as hazardous.**Hazard Statements:** Not applicable.**Signal Word:** Not applicable**Precautionary Statements:** Not applicable.**Pictograms:** Not applicable**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 84%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Sodium Citrate	68-04-2	≤ 5%
Tetrasodium <i>N,N</i> -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	≤ 1%
Fragrance	Proprietary Mixture	≤ 1%
Colorant	Proprietary Mixture	≤ 1%

Section 4: FIRST-AID MEASURES**If Inhaled:** Not expected to cause respiratory inhalation. If adverse effect occurs, move to fresh air.**If on skin:** Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.**If in eyes:** Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.**If ingested:** May cause upset stomach. Drink plenty of water to dilute. See section 11.**Section 5: FIRE-FIGHTING MEASURES****Suitable 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.

See section 16 for NFPA rating.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: *For non-emergency and emergency personnel:* See section 8 – personal protection. Protective gloves and safety goggles not necessary, but 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.

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.

Storage: 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.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Appropriate Engineering Controls: Not applicable.

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 prolong periods or dermally sensitive.

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid

Odor: Added sassafras (sweet herbal) odor

Odor Threshold: Not determined

Boiling Point ASTM D-1120: 101°C (213.8°F)

Freezing Point ASTM D-1177: 0 - 3.33°C (32 - 38°F)

Specific Gravity ASTM D-891: 1.01 – 1.03

Evaporation Rate ASTM D-1901: ½ Butyl Acetate @ 25°C

Vapor Pressure ASTM D-323: 0.60 PSI @77°F, 2.05 PSI @100°F

Vapor Density: Not determined

pH ASTM D-1293: 9.0 ± 0.5

VOCs: SCAQMD 304-91 / EPA 24: 0 g/L 0 lb/gal 0 %

CARB Method 310**: 2.5 g/L 0.021 lb/gal 0.25%

SCAQMD Method 313: Not tested

VOC composite Partial Pressure: Not determined

Nutrient Content: Phosphorous: 0.0%

Flash Point ASTM D-93: > 212°F

Flammability: Non-flammable

Autoignition Temperature: Not applicable

Decomposition Temperature: Not determined

Density ASTM D-4017: 8.552 lb/gal

Water Solubility: 100%

Partial Coefficient: Not available

**Water & fragrance exemption in calculation

Section 10: STABILITY AND REACTIVITY

Reactivity: Non-reactive.

Chemical stability: Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).

Section 10: STABILITY AND REACTIVITY - continued

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

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 Irritation[®] assay modeling. *No animal testing performed.*

Eye damage/irritation: Minimal irritant per Ocular Irritation[®] assay modeling. *No animal testing performed.*

Germ Cell Mutagenicity: No ingredients trigger or classify under this category.

Carcinogenicity: No ingredients trigger or classify under this category.

Reproductive toxicity: No ingredients trigger or classify under this category.

STOT-Single Exposure: No ingredients trigger or classify under this category.

STOT-repeated exposure: No ingredients trigger or classify under this category.

Aspiration hazard: No ingredients trigger or classify under this category.

Likely routes of exposure: Inhalation - Overexposure may cause headache.

Skin contact - Not expected to cause irritation.

Eye contact - May cause minimal 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.

Section 12: ECOLOGICAL INFORMATION

Toxicity: 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.

Persistence and degradability: Readily Biodegradable per OECD 301D, Closed Bottle Test.

Mobility: No data available.

Bioaccumulation: Not applicable.

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.

Section 14: TRANSPORT INFORMATION

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

U.N. Number: Not applicable
Hazard Class: Non-Hazardous
Marine Pollutant: No

Proper Shipping Name: Cleaning Compound, Liquid NOI
 NMFC#48580-3
 Class 55

Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory.

SARA Title III: Sections 311/312 – Not applicable.
 Sections 313 – Not applicable.
 Sections 302 – Not applicable.

State Right To Know Lists No ingredients listed.

CA Prop 65: None listed.

Texas ESL:

Ethoxylated Alcohol	68439-46-3	60 µg/m3 long term	600 µg/m3 short term
Sodium Citrate	68-04-2	5 µg/m3 long term	50 µg/m3 short term
Sodium Carbonate	497-19-8	5 µg/m3 long term	50 µg/m3 short term
Citric Acid	77-92-9	10 µg/m3 long term	100 µg/m3 short term

WHMIS Classification – Non Hazardous, not classifiable.

Name

Toxic Substances List – Schedule 1 – CEPA

NPRI Inventory

NA

No

No

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by Canada's Controlled Products Regulation.

Section 16: OTHER INFORMATION**PART NUMBER:****SIZE:**

2710001213022	22 oz. Trigger Spray 12/case
2710001213012	24 oz. Trigger Spray 12/case
2710001213033	32 oz. Trigger Spray 12/case
2710200613005	1-gallon Bottle 6/case
2740116800128	1-gallon Bottle
2710000213225	2.5-gallon Bottle 2/case
2700000113006	5-gallon Pail each
2700000113008	55-gallon Drum each

BATCH CODING:

Containers of this formula will be batch coded as follows:
 Example: AT3001002, GG3001002 where...

AT & GG are codes for production facilities,
 "3" is the last digit of the year product was produced,
 "001" is the Julian date product was produced, and
 "002" is the batch number for that product in that year.

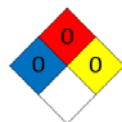
2700000113275	275-gallon Tote each
2710001213013	24 oz. Trigger Spray 12/case

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

NFPA:

Health – non irritating
 Flammability – non-flammable

Stability – Stable
 Special - None



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

This SDS has been revised in the following sections: OSHA HCS 2012 / GHS format update.

DISCLAIMER: The information provided with this MSDS is furnished in good faith and without warranty of any kind. Personnel handling this material must make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of this material and the safety and health of employees and customers. Sunshine Makers, Inc. assumes no additional liability or responsibility resulting from the use of, or reliance on this information.