

Section 1: IDENTIFICATION

Product Name: Simple Green® Glass Cleaner
Additional Names: Professional Grade Simple Green® Glass Cleaner

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

Recommended Use: Concentrated cleaner for use on glass, mirrors, windows and reflective surfaces
Restrictions on Use: Do not use on other surfaces.

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 classified as hazardous (Eye Corrosive/Irritant - Category 2A) under the 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200)

WHMIS 2015

Label Elements

Signal Word: Warning

Hazard Symbol(s)/Pictogram(s):



Hazard Statements:

H319 – Causes serious eye irritation.

Precautionary Statements:

P264 – Wash hands thoroughly after handling.

P280 – Wear eye protection.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical attention.

Hazards Not Otherwise Classified (HNOC): Not applicable

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	> 91%*
Isopropyl Alcohol	67-63-0	< 5%*
2-(2-butoxyethoxy)-ethanol	112-34-5	< 1%*
Sodium Lauryl Sulfate	151-21-3	< 1%*
Colorant	Proprietary	< 1%*
Fragrance	Proprietary	< 1%*

*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, rinse skin with water.

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.

Section 4: FIRST-AID MEASURES - continued**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. Safety goggles suggested if splashing or misting is likely to occur.**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 109°F (42.7°C) or freezing.**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limit Values:**

Isopropyl Alcohol	California, Idaho, New York, Oregon	400 ppm; 980 mg/m ³ PEL
(67-63-0)	Connecticut	500 ppm; 1225 mg/m ³ STEL
	OSHA, Michigan, Minnesota, Tennessee, Vermont, Washington	500 ppm; 1225 mg/m ³ STEL
		400 ppm; 980 mg/m ³ TWA

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

Appearance:	Blue Liquid	Partition Coefficient: n-octanol/water:	Not determined
Odor:	Citrus added odor	Autoignition Temperature:	Non-flammable
Odor Threshold:	Not determined	Decomposition Temperature:	109°F
pH:	5.0 – 8.0	Viscosity:	Like water
Freezing Point:	0°C (32°F)	Specific Gravity :	0.99 – 1.03
Boiling Point & Range:	98°C (210°F)	VOCs:	**Water & fragrance exemption in calculation

Section 9: PHYSICAL AND CHEMICAL PROPERTIES - continued

Flash Point:	> 212°F	SCAQMD 304-91 / EPA 24:	Not tested		
Evaporation Rate:	Not determined	CARB Method 310**:	45 g/L	0.376 lb/gal	4.5%
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:	8.25 – 8.42 lb/gal		
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:	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, CO ₂ .

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 -	Causes severe 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:	Not expected to cause irritation, repeated contact may cause dry skin. No animal testing conducted.
Eye Damage/Irritation:	Causes severe eye irritation. No animal testing conducted.
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.
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:	No data available.
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.

Section 14: TRANSPORT INFORMATION

U.N. Number:	Not applicable	U.N. Proper Shipping Name:	Cleaning Compound, Liquid NOI
Transport Hazard Class(es):	Not applicable	NMFC Number:	48580-3
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.	ICAO/ IATA:	Not classified as Hazardous
IMO / IDMG:	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.

Clean Air Act (CAA): 2-(2-butoxyethoxy)-ethanol (112-34-5) & Isopropyl Alcohol (67-63-0)

Clean Water Act (CWA): Not applicable

State Right To Know Lists: Isopropyl Alcohol (67-63-0) Massachusetts, Pennsylvania

California Proposition 65: No ingredients listed

Texas ESL:

Isopropyl Alcohol	67-63-0	200 ppb; 492 µg/m³ long term	2000 ppb; 4920 µg/m³ short term
2-(2-butoxyethoxy)-ethanol	112-34-5	10 ppb; 67 µg/m³ long term	100 ppb; 670 µg/m³ short term

Section 16: OTHER INFORMATION

Size	Item Number	UPC
1 Gallon, 4 per case	1110000400128	043318003370

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

NFPA:

Health – Eye Irritant	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

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