

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green® Pro Grade Glass Cleaner Concentrate
 Additional Names:

Manufacturer's Part Number: 25050 – 1 gallon bottle; Home Depot Part Number – 043318250507/610426

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

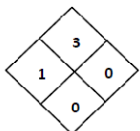
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

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

Section 2: HAZARDS IDENTIFICATION

MSDS IS FOR CONCENTRATE ONLY – Diluted to use solution will reduce any hazards to minimal.

Emergency Overview: WARNING. Flammable. Irritant. This is a blue colored liquid with a chemical/detergent odor.

NFPA/HMIS Rating:

Health = 1 = slight

Fire = 3 = Combustible liquid flash point of 100° to 200°F

Reactivity, and Special = 0 = minimal

Potential Health Effects

Eye Contact: Concentrate is irritating.

Skin Contact: Concentrate is irritating.

Ingestion: Harmful if swallowed. Can cause aspiration hazard and lung damage.

Inhalation: May irritate respiratory tract. May cause Central Nervous System depression.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 72%
Isopropyl Alcohol	67-63-0	16%
2-(2-Butoxyethoxy)-Ethanol	112-34-5	≤ 5%
Ethylenediaminetetraacetic acid	60-00-4	≤ 5%
Sodium Lauryl Ether Sulfate	9004-82-4	≤ 1%
Colorant	Proprietary	≤ 1%

Section 4: FIRST AID MEASURES

If Inhaled: If adverse effect occurs, move to fresh air. If irritation persists, seek medical attention.

If on skin: Rinse skin with water. If irritation occurs, get medical attention.

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. Seek medical attention.

If ingested: Do not induce vomiting. Seek medical attention immediately.

Section 5: FIRE FIGHTING MEASURES**Flammability:** Flammable Liquid and vapor.**Flash Point:** Closed Cup; 82-89°F (27.7-32°C)**Upper Flame Limit:** 12%**Lower Flame Limit:** 1-2.0 % (for 100% IPA)**Suitable Extinguishing Media:** Use Dry chemical, CO2, water spray or “alcohol” foam.**Extinguishing Media to Avoid:** High volume jet water.**Special Exposure Hazards:** In event of fire created carbon oxides.**Special Protective Equipment:** Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.**Section 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions:** See section 8 – personal protection.**Environmental Precautions:** Do not allow into open waterways and ground water systems or sewers.**Method for Clean Up:** Eliminate all ignition sources. Stop leak if there is no fire risk. Remove all containers from area of spill. Dilute spill with water and mop up or soak up with inert absorbent material and place into appropriate waste disposal container.**Section 7: HANDLING AND STORAGE****Handling:** Keep out of reach of children. Avoid contact with eyes and skin. Keep container tightly closed. Ensure adequate ventilation.**Storage:** Keep in cool dry area away from sources of ignition. Keep container tightly closed.**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limit Values:**

	ACGIH/OSHA	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	400 ppm 15 mins	400 ppm 8 hours	200 ppm 8 hours

Exposure Controls:

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

Respiratory: Use in well ventilated areas. Do not over expose to concentrate.

Skin Contact: Use protective gloves and clothing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue Liquid	Vapor Pressure:	TBD
Odor:	Detergent odor; no added fragrance	Density:	TBD
Specific Gravity:	0.945	Water Solubility:	100%
pH:	8.5 - 10	VOC:	CARB Method 310 16%
Boiling Point:	~210°F (98 °C)		Use Solution 0.5%
Freezing Point:	~ 32°F (0 °C)	VOC Composite Partial Pressure:	TBD

Section 10: STABILITY AND REACTIVITY

Stability: Stable, yet flammable concentrate.
Materials to Avoid: Heat, sources of ignition, flames, oxidizing material.
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
Toxicity calculated from ingredients using OECD SERIES ON TESTING AND ASSESSMENT Number 33

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

Section 12: ECOLOGICAL INFORMATION

Hazard to wild mammals: Low, based on toxicity profile
Hazard to avian species: Low, based on toxicity profile
Hazard to Aquatic Organisms: Low, based on toxicity profile

Chemical Fate Information: All components exhibit some degree of biodegradability from readily to inherent.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Method for Disposal:

Unused Product: Dispose with proper hazardous waste facility
Used Product: Dispose with proper hazardous waste facility
Empty Containers: *Triple-rinse with water and offer for recycling if available in your area. Otherwise, dispose as hazardous waste.

*Dispose of used or unused product, and empty containers in accordance with the local, State, Provincial, and Federal regulations for your location. Never dispose of rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) / Canadian TDG: Not regulated*
IMO / IDMG: Not Determined
ICAO/ IATA: Not Determined
ADR/RID: Not Determined

U.N. Number: Not Applicable Proper Shipping Name: None, consumer commodity
Hazard Class: Not classified Marine Pollutant: No

* Not regulated per DOT Alcohol Exclusion found in 49 CFR 173.150e

Section 15: REGULATORY INFORMATION

All components are listed on: TSCA, DSL and AICS Inventory.

No components listed under: Clean Air Act Section 112; Clean Water Act 307 & 311

SARA Title III Section 311/312 – Isopropanol (Acute, Chronic, Fire)
Section 313 – Isopropanol

RCRA Status: Hazardous Material - Isopropanol CERCLA Status: Ethylenediaminetetraacetic acid

State Right To Know Lists

Isopropyl Alcohol California, Florida, Minnesota, Massachusetts, New Jersey, Pennsylvania, Rhode Island
Ethylenediaminetetraacetic acid Massachusetts, New Jersey, Pennsylvania

WHMIS Classification – Category D, subcategory 2B, eye irritant; Category B2 Flammable liquid

Name	Toxic Substances List – Schedule 1 – CEPA (Canadian Environmental Protection Act)	NPRI Inventory
Isopropanol	No	Yes

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

Questions about the information found on this MSDS should be directed to:

SUNSHINE MAKERS, INC. – TECHNICAL DEPARTMENT

15922 Pacific Coast Hwy. Huntington Beach, CA 92649

Phone: 800/228-0709 [8am-5pm Pacific time, Mon-Fri] Fax: 562/592-3830 Email: infoweb@simplegreen.com

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