

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Simple Green d Pro 5®
 Additional Names: Simple Green d Pro 5® Disinfectant – Cleaner – Sanitizer – Fungicide – Mildewstat– Virucide* – Deodorizer

Manufacturer's Part Number: Canadian Label
 39501 & 3410000439501- 3.78 L (4/cs)
 39505 & 3410000439501 - 18.92 L (ea)
 39555 & 3400000139555 - 208.17 L (ea)
 39532 & 3410001239532 - 946 mL (12/cs)

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

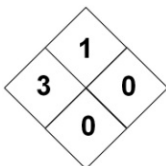
EPA Registration Number – 6836-140-56782

Canadian DIN Number – 02281996

Section 2: HAZARDS IDENTIFICATION

Emergency Overview: DANGER. Keep out of Reach of Children. This is a Clear liquid with a no added odor.

Routes of Exposure: Eye
 Contact, Skin Contact,
 Inhalation



NFPA/HMIS Rating:

Health = 3 = serious

Fire = 1 = slight

Reactivity and Special = 0 = minimal

Potential Health Effects

Eye Contact: Severe Irritant

Ingestion:

Severe Irritant and Harmful

Skin Contact: Severe Irritant

Inhalation:

Irritant

Medical Conditions Aggravated by Exposure: Not determined.

Target Organs: Not determined.

Environmental Effects:

Not determined.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 87.70%
Ethoxylated Alcohol Mixture	Proprietary	≤ 5%
Di-n-alkyl (C8/C10 50%, C10/C10 30%, C8/C8 20%) dimethyl ammonium chloride	68424-95-3	
Didecyl dimethyl ammonium chloride	0.99%
Octyl decyl dimethyl ammonium chloride	1.65%
Dioctyl dimethyl ammonium chloride	0.66%
Tetrasodium EDTA	64-02-8	≤ 2%
Sodium Metasilicate	6834-92-0	≤ 1%
Ethanol	64-17-5	≤ 1%

Section 4: FIRST AID MEASURES

If Inhaled: Remove from area to fresh air. Get immediate medical attention. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen if available.

If on skin: Wash with plenty of running water and soap if available for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Wash clothing and decontaminate shoes before reuse.

Section 4: FIRST AID MEASURES - continued

- If in eyes:** Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention.
- If ingested:** If swallowed, immediately give 3-4 glasses of milk (in unavailable, give water.) Do not induce vomiting. If vomiting does occur, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows for induction of vomiting or evacuation of the stomach. Do not give anything by mouth to an unconscious or convulsing person. Note to Physician: Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanically may be needed.

Section 5: FIRE FIGHTING MEASURES

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|--------------------------------------|---|-----------------------------------|-----------|
| Flash Point: | > 200°F | Auto Ignition Temperature: | Not Known |
| Lower Explosion Limit: | Not known | Upper Explosion Limit: | Not Known |
| Suitable Extinguishing Media: | Use Dry chemical, CO ₂ , water spray or "alcohol" foam. | | |
| Extinguishing Media to Avoid: | High volume jet water. | | |
| Products of Combustion: | Ammonia, Nitrogen Chloride, Nitrogen Oxides | | |
| Special Protective Equipment: | Must wear NIOSH/MSHA approved self-containing breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. | | |

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: DANGER! May cause severe irritation. Wear appropriate protective equipment and NIOSH/MSHA approved respirator where mists or vapors of unknown concentrations may be generated. Self-contained breathing apparatus may be necessary for very large spills.

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

Method for Containment: Remove all persons from spill area. Dike and contain spill with inert material (sand, earth, clay, etc.).

Method for Clean Up: Transfer the liquid and solid separately to containers for recovery or disposal.

Section 7: HANDLING AND STORAGE

Handling: Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children.

Storage: Maximum Storage Temperature is 140°F. Do not contaminate drinking water, food or feed by storage or disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store in original container in areas inaccessible to children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Exposure Limit Values: | OSHA PEL | ACGIH TLV |
| Ethanol | 1000 ppm PEL; 1900 mg/m ³ PEL | |

Effects of Overexposure: No health effects information available for human exposure. Based on the available animal toxicity information for similar materials, it is anticipated that direct contact with this concentrate may possibly produce severe eye or skin irritation. Prolonged exposures may cause: headache, irritation of the eyes, nose and throat, drowsiness, lassitude, loss of appetite and inability to concentrate. Prolonged contact with concentrate may cause chemical burns with possible irreversible damage.

Ingestion may cause burning pain in the mouth, throat and abdomen; swelling of the larynx; circulatory shock and/or convulsions. Mists or vapors of this concentrate may cause irritation of mucous membranes.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Controls:**

Engineering:	In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.
Eye Contact:	Where chemical splash goggles where there is potential for eye contact. Use safety glasses with side shields when there is no potential for eye contact.
Respiratory:	When necessary, NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.
Skin Contact:	Rubber or neoprene, to prevent skin contact with concentrate.
Other	Eye wash; safety shower; protective clothing (long sleeves, coveralls, or other, as appropriate), when needed to prevent skin contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to light straw	Odor:	No added odor
Physical State:	Liquid	Odor Threshold:	Not available
Boiling Point:	Not determined	Flash Point:	> 200°F
Freezing Point:	Not determined	Flammability:	Flammable
Specific Gravity:	1.005 – 1.015	Autoignition Temperature:	Not available
Evaporation Rate:	Not determined	Decomposition Temperature:	Not determined
Vapor Pressure:	Not determined	Density:	8.38 - 8.46 lb/gal
Vapor Density:	Not determined	Water Solubility:	100% soluble
pH:	11.0 – 13.0	Partial Coefficient:	Not determined
VOCs:	CARB Method 310 4.237%	VOC Composite Partial Pressure:	Not determined
Nutrient Content:	Not determined		

Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Reactivity:	Reactive with oxidizers
Conditions to avoid:	High heat, prolonged direct sunlight
Incompatible Materials	Strong oxidizing or reducing agents. Do not mix with strong oxidizers (Hydrogen Peroxide, "bleach", Sodium Hypochlorite), acids, strong alkalines, disinfectants, antibacterials, antimicrobials, bathroom cleaners or any type of stain remover.
Hazardous Decomposition Products:	Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and other materials, and oxides of carbon and nitrogen.
Possibility of Hazardous Reactions	Possible with misuse.

Section 11: TOXICOLOGICAL INFORMATION

Effects of Exposure: No expected concerns under typical use conditions. Improper use and overexposure can head to headache, nausea and severe irritation.

No toxicity information is available for this specific material. This toxicity information provided is for similar formulations.

Acute Toxicity:	Oral LD ₅₀ (rat)	2850 mg/kg
	Dermal LD ₅₀ (rabbit)	2850 mg/kg

DOT Skin Corrosivity = non-corrosive (rabbit)

**** Skin irritation @ 1:64 dilution = Not an irritant (primary irritation index = 0.0)**

Eye Irritation = (rabbit) extreme irritant (primary irritation index = 97.5 without washing; 93.9 with washing)

**** Eye irritation @ 1:64 dilution = Has not been calculated.**

Section 12: ECOLOGICAL INFORMATION

No Information Available

Section 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable containers. Do not reuse or refill this container. Clean containers promptly after emptying. Triple rinse as follows: Fill containers ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

Section 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) / Canadian TDG: Not Regulated

IMO / IDMG: Not classified as Dangerous; Not regulated.

ICAO/ IATA: Not classified as Dangerous

ADR/RID: Not classified as Dangerous

U.N. Number Not Required
Hazard Class: Non-Hazardous

Proper Shipping Name: Detergent Solution
Marine Pollutant: No

Section 15: REGULATORY INFORMATION**FEDERAL REGULATION:****TSCA INVENTORY STATUS:** All ingredients found in U.S. EPA TSCA inventory**CERCLA:** No ingredients regulated**SARA Title III 302/304:** No reportable ingredients**SARA Title III 311/312** reportable ingredients:

	<u>CAS #</u>	<u>Hazard Category</u>	<u>Typical Max. Concentration</u>
N, N-Dialkyl (C ₈₋₂₀)-N, N-dimethylammonium Chloride	68424-95-3	A	3.3%
N-Alkyl (C ₁₂₋₁₆) dimethyl benzyl ammonium chloride	68424-85-1	A	2.2%
Ethanol	64-17-5	F	1.1%

A = Immediate (Acute) F = Fire Hazard

SARA Title III 313: No reportable ingredients.**State Right-To-Know Regulations:****CALIFORNIA** – Proposition 65

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Acetaldehyde	75-07-0	250 ppb
Benzene	71-43-2	5 ppm
Benzyl Chloride	100-44-7	10 ppm
1,4 – Dioxane	123-91-1	250 ppb
Ethylene Oxide	75-21-8	25 ppb
N-Nitrosodimethylamine	62-75-9	50 ppb
Propylene oxide	75-56-9	1 ppm
Toluene	108-88-3	10 ppm

MASSACHUSETTS –

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Typical Maximum Concentration</u>
Benzene	71-43-2	5 ppm
Benzyl Chloride	100-44-7	10 ppm
Propylene oxide	75-56-9	1 ppm

Section 15: REGULATORY INFORMATION - continued

MICHIGAN – This material does not contain any components that are included in the Michigan Critical Materials List.

NEW JERSEY –

N, N-Dialkyl (C ₈₋₂₀)-N, N-dimethylammonium Chloride	CAS # 68424-95-3	Typical Max. Concentration 3.3%
N-Alkyl (C ₁₂₋₁₆) dimethyl benzyl ammonium chloride	CAS # 68424-85-1	Typical Max. Concentration 2.2%
Ethanol	CAS # 64-17-5	Typical Max. Concentration 1.1%

PENNSYLVANIA –

Ethanol	CAS # 64-17-5	Typical Max. Concentration 1.1%
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INTERNATIONAL REGULATION:

WHMIS Classification: Not Regulated

All components listed on Canadian DSL

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

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

This SDS has been revised in the following sections: Several sections reformatted, additional part numbers added.

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.