

Section 1: PRODUCT & COMPANY IDENTIFICATION

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

Manufacturer's Product Code Numbers:	<u>US Label</u>	<u>Canadian Label</u>
	30532 - 32 oz. Bottle (12/cs)	39501 - 3.78 L (4/cs)
	30501 - 1 Gal. Bottle (4/cs)	39505 - 18.92 L (ea)
	30505 - 5 Gal. Pail (ea)	39555 - 208.17 L (ea)
	30555 - 55 Gal. Drum (ea)	

Company: Sunshine Makers, Inc.
 15922 Pacific Coast Highway
 Huntington Harbour, CA 92649 USA
 Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830
 Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-225-3924

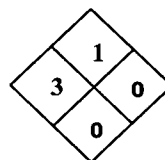
Use of Product Concentrate that must be diluted prior to use. Used for cleaning, disinfecting, sanitizing and deodorizing hard non-porous surfaces. Read product label for complete usage information and directions.

EPA Registration Number: 6836-140-56782 Canadian DIN Number: 02281996

****MSDS INFORMATION CONCERNS THE CONCENTRATE, NOT USE-SOLUTIONS UNLESS NOTED****

Section 2: HAZARDS IDENTIFICATION

Routes of Entry: Skin contact; Eye Contact; Inhalation



NFPA/HMIS Rating:
 Health = 3 = serious
 Flammability = 1 = slight
 Reactivity = 0 = minimal

Please refer to section 4 for First Aid Procedures.

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

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredient	EPA Registration Number	TWA/TLV	
Bardac 208-M (80% active)	6836-67	None Established	
To Provide.....		CAS Number	Approx. Weight %
Di-n-alkyl (C ₈ /C ₁₀ 50%, C ₁₀ /C ₁₀ 30%, C ₈ /C ₈ 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
n-Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride:		68424-85-1	
Alkyl (C ₁₄ 50%, C ₁₂ 40%, C ₁₆ 10%) dimethyl benzyl ammonium chloride			2.20

This product does not contain nonylphenol ethoxylate.

Section 4: FIRST AID MEASURES

This information applies to the concentrated product. Use-solutions present greatly diminished degrees of health effects.

- 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 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.
- 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.
- 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.

Section 5: FIRE FIGHTING MEASURES

Flash Point: > 200°F **Auto Ignition Temperature:** Not Known
Lower Explosion Limit: Not Known **Upper Explosion Limit:** Not Known
Extinguishing Media: Alcohol Foam; CO₂; Dry Chemical; Water
Special Fire Fighting Measures: Must wear NIOSH/MSHA approved self-containing breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.
Unusual Fire and Explosion Hazards: Products of combustion are toxic.

Section 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or release of concentrate: WARNING! May be corrosive. Remove all persons from spill area. 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. Dike and contain spill with inert material (sand, earth, clay, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

Section 7: HANDLING AND STORAGE

Maximum Storage Temperature: 140°F
Keep containers closed when not in use.
Do not contaminate drinking water, food or feed by storage or disposal.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

Engineering Controls: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Respiratory Protection: When necessary, NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

Protective Gloves: Rubber or neoprene, to prevent skin contact with concentrate.

Eye Protection: 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.

Other Protective Equipment: 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 Light-Straw Colored Liquid	pH:	11 – 12
Odor:	Faint soapy/detergent – non-fragrance	Percent Volatile by Weight:	90%
Specific Gravity:	1.01 @ 25°C (water = 1.0)	Solubility in Water:	soluble
		Viscosity:	< 100 cps @ 25°C

Section 10: STABILITY AND REACTIVITY

Stability: This product is stable.

Hazardous polymerization: Will not occur.

Hazardous Decomposition Products: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and other materials, and oxides of carbon and nitrogen.

Materials to Avoid: None Known.

Section 11: TOXICOLOGICAL INFORMATION

Oral LD50 = 2800 mg/kg (rat)

Dermal LD50 = 2850 mg/kg (rabbit)

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**Waste Disposal Methods:** Dispose of in compliance with all Federal, state and local laws, and regulations. Incineration is the preferred method.**Container Disposal:** Triple Rinse (or equivalent), then offer for recycling or reconditioning or puncture and dispose of in sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.**Section 14: TRANSPORT INFORMATION**

DOT Hazard Classification: Non-Hazardous

DOT Label: None

DOT Shipping Name: Not regulated

CAS No.: Mixture

Section 15: REGULATORY INFORMATION**FEDERAL REGULATION:****TSCA INVENTORY STATUS:** All ingredients found in U.S. EPA TSCA inventory**SARA Title III 302/304** reportable ingredients: None**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 reportable ingredients: None**State Right-To-Know Regulations:****CALIFORNIA** – Proposition 65 – This material does not contain any component found by the State of California to be a cancer hazard.**MASSACHUSETTS** – This material does not contain any components that are included in the Massachusetts Substance List that are present at or above reportable levels.**MICHIGAN** – This material does not contain any components that are included in the Michigan Critical Materials List.**NEW JERSEY** – Right-To-Know – The following components of this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels:

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 – This material does not contain any components that are included in the Pennsylvania Hazardous Substance List that are present at or above reportable levels.

Ethanol	CAS # 64-17-5	Typical Max. Concentration 1.1%
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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 Harbour, CA 92649

Phone: 800/228-0709 [8am-5pm Pacific time, Mon-Fri]

Fax: 562/592-3830

Email: infoweb@simplegreen.com

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