

**Section 1: PRODUCT & COMPANY IDENTIFICATION**

Product Name: Simple Green® Heavy-Duty Cleaner & Degreaser  
 Additional Names: Simple Green® Heavy-Duty Cleaner & Degreaser (Pressure Washer Concentrate )

Manufacturer's Part Number: 18203 – 1 gallon bottle

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

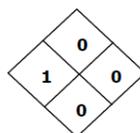
Telephone: 800-228-0709 • 562-795-6000 Fax: 562-592-3830

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

**Section 2: HAZARDS IDENTIFICATION**

**Emergency Overview:** CAUTION. Irritant. This is a turquoise colored liquid with a detergent odor

**Routes of Exposures:** Eye Contact, Skin Contact, Inhalation



**NFPA:**

Health = 1 = slight

Fire, Reactivity, and Special = 0 = minimal

**Potential Health Effects**

**Eye Contact:** Mildly irritating.

**Skin Contact:** No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.

**Ingestion:** May cause stomach or intestinal irritation if swallowed.

**Inhalation:** No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

**Medical Conditions Aggravated by Exposure:** Dermally sensitive users may experience dry skin.

**Target Organs:** Unknown.

**Environmental Effects:** Unknown.

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 88%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Sodium Citrate	6132-04-3	≤ 3%
Soda Ash	497-19-8	≤ 1%
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., chlorides, sodium salts	61789-39-7	≤ 1%
Alkyl imino dipropionic acid, monosodium salt	Proprietary	≤ 1%
Colorant	Proprietary	≤ 1%

**Section 4: FIRST AID MEASURES**

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

**If on skin:** If adverse effect occurs, rinse skin with water. If irritation persists seek 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. If irritation persists seek medical attention.

**If ingested:** Drink plenty of water to dilute.

**Section 5: FIRE FIGHTING MEASURES****Flammability:** Non-flammable**Flash Point:** Non-flammable**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.**Method for Containment:** Dike or soak up with inert absorbent material.**Method for Clean Up:** Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.**Section 7: HANDLING AND STORAGE****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.**Storage:** Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 115°F (46.11°C).**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limit Values:**

	OSHA PEL	ACGIH TLV
No reportable ingredients	-	-

**Engineering Controls:** Not applicable**Exposure Controls:****Eye Contact:** Use protective glasses if splashing or spray-back is likely.**Respiratory:** Use in well ventilated areas.**Skin Contact:** Prolonged exposure or dermal sensitive individuals should use protective gloves.**General Hygiene Considerations:** Wash Thoroughly after handling and before eating or drinking.**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Turquoise**Physical State:** Liquid**Boiling Point:** ~210°F (98°C)**Freezing Point:** ~ 32°F (0°C)**Specific Gravity:** 0.99 – 1.01**Evaporation Rate:** Not determined**Vapor Pressure:** Not determined**Vapor Density:** Not determined**pH:** 8.0 – 10.0**VOC:** CARB Method 310 < 0.5%**Odor:** No added odor, detergent**Odor Threshold:** Not determined**Flash Point:** Not determined**Flammability:** Non flammable**Autoignition temperature:** Not determined**Decomposition Temperature:** Not determined**Density:** 8.54 lb/gal; 1.024 g/L**Water Solubility:** 100%**VOC composite Partial Pressure:** Not determined

## Section 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Reactivity:	Non-reactive.
Conditions to avoid:	Excessive heat or cold.
Incompatible Materials:	Oxidizers, disinfectants, acids.
Hazardous Decomposition Products:	Normal products of combustion - CO, CO2.
Possibility of Hazardous Reactions	None known.

## Section 11: TOXICOLOGICAL INFORMATION

Effects of Exposure: Not expected to be hazardous under typical use conditions.

Acute Toxicity:	Oral LD <sub>50</sub> (rat)	> 5 g/kg body weight
	Dermal LD <sub>50</sub> (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.

Eyes:	Mildly Irritating
Skin:	No adverse effects expected under typical use conditions

## Section 12: ECOLOGICAL INFORMATION

Aquatic Toxicity:	Low, based on toxicology profile
Terrestrial toxicity:	Low, based on toxicology profile

Persistence and degradability:	Biodegradable based on biodegradation profile of ingredients
Mobility:	No data available.
Bioaccumulation:	Not applicable.

## Section 13: DISPOSAL CONSIDERATIONS

Used and Unused Product: 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: Triple rinse and offer for recycling if available in your area.

*Never dispose of used or used cleaning product into lakes, streams, open bodies of water, storm drains or sanitary sewer systems.*

## Section 14: TRANSPORT INFORMATION

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.
U.N. Number	Not Applicable	Proper Shipping Name:	Cleaning Compound, Liquid NOI
Hazard Class:	Non-Hazardous		NMFC#48580-3
Marine Pollutant:	No		Class 55

## Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory

SARA Title III Section 311/312: Didecyl Dimethyl ammonium chloride & Ethanol  
 Section 313: Not applicable  
 Section 302: Not applicable

State Right To Know Lists Didecyl Dimethyl ammonium chloride New Jersey  
 Ethanol Pennsylvania, Massachusetts

CA Prop 65: Not listed

Texas ESL:

Soda Ash	497-79-8	5 µg/m3, long term	50 µg/m3, short term
Ethanol	64-17-5	1880 µg/m3, long term	18800 µg/m3, short term
Alcohol Ethoxylate	68439-46-3	60 µg/m3, long term	600 µg/m3, short term
Didecyl Dimethyl Ammonium Chloride	7173-51-5	10 µg/m3, long term	100 µg/m3, short term

**WHMIS Classification** – Category D, subcategory 2B, eye irritant

Name	Toxic Substances List – Schedule 1 – CEPA (Canadian Environmental Protection Act)	NPRI Inventory
none	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

*US part numbers listed only. US part numbers may not be valid for international sale.*

**Prepared / revised by:** Sunshine Makers, Inc., Regulatory Department  
**This SDS has been revised in the following sections:** Most areas reformatted to ANSI 2010

**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.