

Material Safety Data Sheet: **Simple Green® Concrete & Driveway Cleaner (PWC)**

Version No. 18202-12B

Date of Issue: July 2012

ANSI-Z400.1-2003 Format

**Section 1: PRODUCT & COMPANY IDENTIFICATION**

Product Name: Simple Green® Concrete and Driveway Cleaner  
Additional Names: Simple Green® Concrete and Driveway Cleaner (Pressure Washer Concentrate)

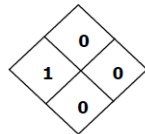
Manufacturer’s Part Number: 18202 = 1 gallon bottle                      18222 = 1 gallon bottle

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 purple colored liquid with a detergent odor.



NFPA/HMIS Rating:  
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.

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

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent Range</u>
Water	7732-18-5	≥ 90%
Ethoxylated Alcohol	68439-46-3	≤ 5%
Didecyl Dimethyl Ammonium Chloride	7173-51-5	≤ 1%
Sodium Citrate	6132-04-3	≤ 1%
Soda Ash	497-19-8	≤ 1%
Ethanol	64-17-5	≤ 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**

This formula is stable, non-flammable, and will not burn. No special procedures necessary

- 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 Clean Up:** Dilute with water and rinse into sanitary sewer system or soak up with inert absorbent material.

#### **Section 7: HANDLING AND STORAGE**

- Handling:** Keep container tightly closed. Ensure adequate ventilation. Keep out of reach of children.
- Storage:** Keep in cool dry area.

#### **Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure Limit Values:</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
No reportable ingredients	-	-

- 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.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Purple Liquid	<b>Vapor Pressure:</b>	TBD	
<b>Odor:</b>	Detergent odor	<b>Density:</b>	8.54 lb/gal; 1.024 g/L	
<b>pH:</b>	8.0 – 10.0	<b>Water Solubility:</b>	100%	
<b>Boiling Point:</b>	~210°F (98 °C)	<b>VOC composite Partial Pressure:</b>	TBD	
<b>Freezing Point:</b>	~ 32°F (0 °C)	<b>VOC:</b>	CARB Method 310	< 0.5%

**Section 10: STABILITY AND REACTIVITY**

Stability: Stable

Materials to Avoid: 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: Normal products of combustion - CO, CO<sub>2</sub>.

**Section 11: TOXICOLOGICAL INFORMATION**

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.

**Section 12: ECOLOGICAL INFORMATION**

Hazard to wild mammals: Low, based on toxicology profile

Hazard to avian species: Low, based on toxicology profile

Hazard to aquatic organisms: Low, based on toxicology profile

Chemical Fate Information: Biodegradable based on biodegradation profile of ingredients

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Method for Disposal:

Unused Product: \*Dilute with water to use concentration and dispose by sanitary sewer.

Used Product: \*This product can enter into clarifiers and oil/water separators. Used product may be hazardous depending on the cleaning application and resulting contaminants.

Empty Containers: \*Triple-rinse with water and offer for recycling if available in your area. Otherwise, dispose as non-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 used degreasing 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 classified as Dangerous		
ICAO / IATA:	Not classified as Dangerous		
ADR/RID:	Not classified as Dangerous		
U.N. Number	Not Required	Proper Shipping Name:	Detergent Solution
Hazard Class:	Non-Hazardous	Marine Pollutant:	No

**Section 15: REGULATORY INFORMATION**

All components are listed on:    EINECS, TSCA, DSL and AICS Inventory.  
No components listed under:    Clean Air Act Section 112; Clean Water Act 307 & 311

SARA Title III 311/312: Didecyl Dimethyl ammonium chloride & Ethanol  
RCRA Status:                      Not a hazardous waste                      CERCLA Status :                      No components listed

State Right To Know Lists

Didecyl Dimethyl ammonium chloride	New Jersey
Ethanol	Pennsylvania, Massachusetts

**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**

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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