

Material Safety Data Sheet: Simple Green® Multi-Purpose Cleaner (PWC)

Version No. 80005-11A Date of Issue: March 2011

ANSI-Z400.1-2003 Format

Section 1: PRODUCT & COMPANY IDENTIFICATION

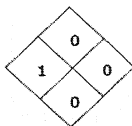
Product Name: Simple Green® Multi-Purpose Cleaner
Additional Names: Simple Green® Multi-Purpose Cleaner (Pressure Washer Concentrate)

Manufacturer's Part Number: 80005 = 2.5 gallon bottles 18205 = 2.5 gallon bottles

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 yellow 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 Mixture | Proprietary | ≤ 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

Exposure Limit Values:

No reportable ingredients

OSHA PEL

-

ACGIH TLV

-

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

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

Section 10: STABILITY AND REACTIVITY

Stability: Stable
Materials to Avoid: None known
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 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.

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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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