

Section 1: PRODUCT & COMPANY IDENTIFICATION

Product Name: Crystal Simple Green® Industrial Cleaner and Degreaser

Additional Names: Simple Green® Safety Towels (fluid only)

Manufacturer's Part Number: **Please refer to page 4*

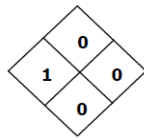
Company: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA

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 clear colored liquid with a chemical/detergent odor. Safety towels are infused with a diluted version of mixture.**



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 | ≥ 78% |
| 2-butoxyethanol | 111-76-2 | ≤ 6% |
| Ethoxylated Alcohol Mixture | Proprietary | ≤ 5% |
| Tetrapotassium Pyrophosphate | 7320-34-5 | ≤ 5% |
| Sodium Citrate | 68-04-2 | ≤ 5% |
| Fragrance | Proprietary | ≤ 1% |

Section 4: FIRST AID MEASURES

- If Inhaled:** If adverse effect occurs, move to fresh air.
- If on skin:** If adverse effect occurs, rinse skin with water.
- 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, oxides of phosphorus may be formed.

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: | OSHA PEL | ACGIH TLV |
|------------------------------|-------------------------------------|--------------------------------|
| 2-butoxyethanol | TWA 50 ppm (240 mg/m ³) | 20 ppm (97 mg/m ³) |
| Tetrapotassium Pyrophosphate | | 5 mg/m ³ |

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: | Clear Liquid | Vapor Pressure: | 18 mmHg @20°C; 23.5 mmHg @26°C | |
| Odor: | No added odor; chemical/detergent | Density: | 8.5 lb/gal; | |
| Specific Gravity: | 1.020 ± 0.010 | Water Solubility: | 100% | |
| pH: | 9.0 – 9.9 (Crystal) | VOC composite Partial Pressure: | TBD | |
| | 8.0 – 8.9 (Safety Towel) | Nutrient Content: | Phosphorous: 0.28% | |
| Boiling Point: | ~212°F (100.6 °C) | | Sulfur: ~180 ppm Fluorine: ~90 ppm | |
| Freezing Point: | ~ 16°F (-9 °C) | | Chloride: ~110 ppm | |
| VOC Fluid: | CARB Method 310 = 5.8%* | SCAQMD Method 313 = 6.6%* | <i>* product must be diluted to meet air quality regulations</i> | |
| VOC Fluid Triggers only: | CARB Method 310 = 3.8% | | | |
| VOC Safety towels: | CARB Method 310 = 1% | | | |

Section 10: STABILITY AND REACTIVITY

Stability: Stable
 Materials to Avoid: None known
 Hazardous Decomposition Products: Normal products of combustion - CO, CO₂; Oxides of Phosphorous may occur.

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: Readily Biodegradable based on biodegradability 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 2-butoxyethanol is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 as Category N230 – Certain Glycol Ethers.

RCRA Status: Not a hazardous waste CERCLA Status: No components listed

State Right To Know Lists
 2-butoxyethanol Illinois, Massachusetts, New Jersey, Pennsylvania, Rhode Island

WHMIS Classification – Not classified as hazardous

| Name | Toxic Substances List – Schedule 1 – CEPA (Canadian Environmental Protection Act) | NPRI Inventory |
|-----------------|--|----------------|
| 2-butoxyethanol | 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

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

National Stock Numbers & Industrial Numbers:

| Crystal | Part Number | NSN | Size |
|---------|-------------|------------------|----------------------|
| | 19024 | 7930-01-418-1151 | 24 oz. spray (12/cs) |
| | 19128 | 7930-01-418-1152 | 1 Gal. (6/cs) |
| | 19005 | 7930-01-418-1153 | 5 Gal. |
| | 19015 | | 15 Gal. |
| | 19055 | 7930-01-418-1155 | 55 Gal. |
| | 19275 | | 275 Gal. |

| Safety Towels | Part Number | Size |
|---------------|-------------|--------------------------|
| | 13322 | 5 count pouch (50/cs) |
| | 13351 | 75-count canister (6/cs) |

****International Part Numbers May Differ.**

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.