

MATERIAL SAFETY DATA SHEET: SIMPLE GREEN® HAND CLEANER GEL

I. PRODUCT & COMPANY INFORMATION

PRODUCT NAME: SIMPLE GREEN® HAND CLEANER GEL
PRO SERIES SIMPLE GREEN® HAND CLEANER GEL

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COMPANY NAME: SUNSHINE MAKERS, INC.
15922 Pacific Coast Highway
Huntington Harbour, CA 92649 USA
Telephone: 800-228-0709 • 562-795-6000
Fax: 562-592-3034
Website: www.simplegreen.com

Version No. 3007
Issue Date: January 2003

For 24-hour emergency, call Chem-Tel, Inc.: 800-255-3924

USE OF PRODUCT: General cleaning and degreasing gel for hands, clothes, or soiled areas requiring an effective, local cleaning agent.

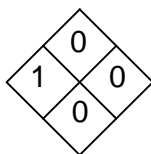
II. INGREDIENT INFORMATION

| <u>Ingredient</u> | <u>CAS Number</u> | <u>Exposure Limits (ppm) for Undiluted Materials OSHA PEL ACGIH TLV</u> |
|-------------------|-------------------|---|
| 2-butoxyethanol | 111-76-2 | 25 (skin) 25 (skin) |

III. HAZARDS IDENTIFICATION

Hazard Rating (NFPA/HMIS)

Health = 1* Reactivity = 0
Fire = 0 Special = 0



NJ TRADE SECRET REGISTRATION NUMBERS

| | |
|----------------|----------------|
| 80100235-5000p | 80100235-5005p |
| 80100235-5001p | 80100235-5006p |
| 80100235-5002p | 80100235-5007p |
| 80100235-5003p | 80100235-5008p |
| 80100235-5004p | 80100235-5009p |

Rating Scale

| | |
|--------------|-------------|
| 0 = minimal | 1 = slight |
| 2 = moderate | 3 = serious |
| | 4 = severe |

*Eye irritant; none of the ingredients are regulated or listed as potential cancer agents by the U.S. Occupational Safety and Health Administration, the U.S. National Toxicology Program, or the International Agency for Research on Cancer.

IV. FIRST AID MEASURES

SYMPTOMS OF OVEREXPOSURE AND FIRST AID TREATMENT

- Eye contact: Reddening may develop. Immediately rinse the eye with large quantities of cool water; continue 10-15 minutes or until the material has been removed; be sure to remove contact lenses, if present, and to lift upper and lower lids during rinsing. Get medical attention if irritation persists.
- Skin contact: Adverse effects not expected, although some highly dermal-sensitive users may experience reversible reddening. Such individuals should get medical attention if a response reaction occurs.
- Swallowing: Essentially non-toxic. Give several glasses of water to dilute; do not induce vomiting. If stomach upset occurs, consult physician.
- Inhalation: Non-toxic. Exposures to vapors not of concern, but if dizziness occurs, get fresh air.
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V. FIRE FIGHTING MEASURES

Simple Green® Hand Cleaner Gel is not flammable and will not burn.

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|-----------------------------------|---|
| Flash Point/Auto-Ignition: | Not flammable. |
| Flammability Limits: | Not flammable. |
| Extinguishing Media: | Not flammable/nonexplosive. No special procedures required. |
| Special Fire Fighting Procedures: | None required. |
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VI. ACCIDENTAL RELEASE MEASURES

Recover usable material by convenient method; residual may be removed by wipe or wet mop. If necessary, unrecoverable material may be washed to drain with large quantities of water.

VII. HANDLING, STORAGE & TRANSPORT INFORMATION

No special precautions are required. **This product is non-hazardous for storage and transport according to the U.S. Department of Transportation Regulations.** Simple Green® Hand Cleaner Gel requires no special labeling or placarding to meet U.S. Department of Transportation requirements.

Storage at elevated temperatures (up to 194 °F [90 °C]) will not cause breakdown of the gel.

VIII. EXPOSURE CONTROLS

Exposure Limits: The formulation presents no health hazards to the user when used according to label directions for its intended purposes, other than eye irritancy.

Ventilation: No special ventilation is required during use.

Human Health Effects or Risks from Exposure: Adverse effects on human health are not expected from Simple Green® Hand Cleaner Gel, based upon the available toxicity information for the individual components and the laboratory toxicity data for the whole product, as described below.

Eye irritation, common to surfactants or hard granular material in the eye, should be expected from Simple Green® Hand Cleaner Gel. Skin irritation is not likely with Simple Green® Hand Cleaner Gel

Medical Conditions Aggravated by Exposure: None anticipated.

IX. PERSONAL PROTECTION

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|------------------------------|---|
| Precautionary Measures: | No special requirements under normal use conditions. |
| Eye Protection: | Specific eye protection is not required; however, caution should be used to avoid eye contact by this cleaning agent. |
| Skin Protection: | None required. Simple Green® Hand Cleaner Gel is intended for use on the skin, and contains moisturizers and emollients that can prevent dryness from frequent use. |
| Respiratory Protection: | No special precautions required. |
| Work and Hygienic Practices: | No special requirements. Wash or rinse hands before touching eyes or contact lenses. |

X. PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------|--|
| Appearance/odor: | Viscous green gel with characteristic sassafras odor. |
| Solubility in water: | Completely miscible in all parts (except pumice). |
| Change of state: | Temperatures up to 194 °F (90 °C) caused no change in the physical condition of the gel. |
| VOCs: | 11.3 g/L |
| pH: | 5.7 |
| Specific Gravity: | 1.00 |
| Boiling Point: | 100°C |

XI. STABILITY AND REACTIVITY INFORMATION

Nonreactive. Simple Green® Hand Cleaner Gel is stable, even under fire conditions, and will not react with water or oxidizers. Hazardous polymerization will not occur.

XII. TOXICOLOGICAL INFORMATION

Laboratory Toxicity Data

Acute Mortality Studies:

Oral LD₅₀ (rat): >5.0 g/kg (5.0mL/kg)

Dermal Irritation: No effects occurred in a standard test on rabbits: the primary irritation index was 0 (nonirritant) on a scale of 8 (strong irritant).

Dermal Sensitization: No effects occurred in guinea pigs exposed to Simple Green® Hand Cleaner Gel at .05 mL induction and challenge dosages; no dermal irritation occurred.

Eye Irritation: Within 10 days after eye exposure without rinsing, 5 of 6 rabbits completely recovered normal eye appearance; one rabbit showed continuing recovery at 21 days.

Carcinogenicity: Simple Green® Hand Cleaner Gel contains no carcinogenic compounds as defined by the National Toxicology Program (NTP), the International Agency for Research on Carcinogens (IARC), or the Occupational Health and Safety Administration (OSHA).

XIII. DISPOSAL CONSIDERATIONS

Simple Green® Hand Cleaner Gel is fully water soluble and biodegradable and will not harm sewage-treatment microorganisms if disposal by sewer or drain is necessary. Dispose of in accordance with all applicable local, state, and federal laws.

XIV. OTHER INFORMATION

Containers: Simple Green® Hand Cleaner Gel residues can be completely removed by rinsing with water; the container may be recycled or applied to other uses.

Contact Point: Sunshine Makers, Inc., Research and Development Division: 562-795-6000.

***** NOTICE *****

All information appearing herein is based upon data obtained by the manufacturer and recognized technical sources. Judgments as to the suitability of information herein for purchaser's purposes are necessarily purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of this information, Sunshine Makers, Inc. or its distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for application to purchaser's intended purposes or for consequences of its use.