

MATERIAL SAFETY DATA SHEET: SIMPLE GREEN® HAND CLEANER GEL™

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SUPERSEDES ANY PREVIOUS VERSIONS
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For 24-hour emergency, call Chem-Tel, Inc.: 800-255-3924

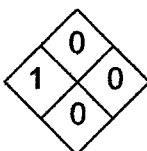
PRODUCT IDENTIFICATION

Other Names: Simple Green® Hand Cleaner Gel™

Use: General Cleaning and degreasing gel for hands, clothes, or soiled areas requiring an effective, local cleaning agent.

Hazard Rating (NFPA)/HMIS:

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



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.

SAFE HANDLING INFORMATION

Fire/Explosion Hazard

This product is nonflammable, and will not burn.

Flash Point: Nonflammable

Auto-Ignition Temperature: Nonflammable

Extinguishing Media: Nonflammable/nonexplosive. No special procedures required.

Special Fire Fighting

Procedures: None required.

Reactivity Data

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.

Storage and Transport

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.

Spills and Disposal

Spill or Leakage Procedures: 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.

Waste Disposal: 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.

PRECAUTIONS FOR USE

Exposure Limits: None; the formulation presents no health hazards to the user.

Ventilation: No special ventilation is required during use.

Personal Protection

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 the 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.

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. Exposure to vapors not of concern, but if dizziness occurs, get fresh air.

INGREDIENT INFORMATION

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

TOXICITY INFORMATION

Human Health Effects or Risks from Exposure

Adverse human health effects 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.

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).

OTHER INFORMATION

Physical Description and Properties

Appearance/odor: Viscous green gel with characteristic sassafrass 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

Volatile organic compounds: 11.3 g/L

pH: 7.69 (for a 10% solution)

Density: 1.03

General Information

Containers: Simple Green® Hand Cleaner Gel™ residue can be completely removed by rinsing with water; the container may be recycled in areas with recycling programs.

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

*** NOTICE ***

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