

# Product Information Sheet

# SoyDerm®

US Patent #6,649,579 B2



## Description **Hand Cleaner-Conditioner**

**SoyDerm®** waterless hand cleaner-conditioner is a unique, fresh smelling waterless hand cleaner made from the finest natural ingredients. Our patented formulation contains no acidic terpenes (turpentine like solvent made from pine) commonly used in the so called "orange" cleaners. Our thick, rich, creamy, soy based lotion has many times the grease and grime cutting solvents of the orange products and cuts through the toughest grease, tar, oil, lubricants, carbon, tree sap and marker. SoyDerm® is available in two formulations. The original formulation is ideal for degreasing, carbon buildup, and other hard to remove grime, and is available with and without pumice. The new formulation is better suited for paint and ink removal and cleanup. The new formulation is currently available without pumice only, but can be custom ordered with pumice. *Available in 4x1 gallon bottles; 4 pump dispensers per case.*

## Directions

Apply SoyDerm® to hands, thoroughly working into soiled areas. SoyDerm® without pumice requires 15 to 30 seconds for full activity. The natural abrasive in SoyDerm® with Pumice will break down of the surface of the soils faster but may abrade sensitive skin. Wipe off or rinse with water. SoyDerm® is completely water miscible. SoyDerm® can be used continuously throughout the day without damaging hands.

SoyDerm® can also be used as a skin conditioner. Apply a small amount and work into hands. The natural soy oils, vitamin E, aloe and tea tree oils have a therapeutic effect on hard working hands.

## Safety Data

### Caution:

Eye irritant. Avoid contact with eyes.

### First Aid:

**Eyes:** Flush with water for 15 minutes. If irritation continues, call a physician.

**Ingestion:** Seek medical attention.

**Keep out of reach of children.**

## Technical Data

**Type:** Solvent Based Hand Cleaner

**Appearance:** Light Green Lotion (Original Formula)

Light Yellow Lotion (New Formula)

**Scent:** Mild

**pH @ 1% Solution:** Neutral

**Flash Point:** >202°F

**Boiling Point:** >600°F

**Melting Point:** 30°F

**Specific Gravity:** Approx. 1.0

**VOC Percentage:** na



# Soy Technologies

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# MATERIAL SAFETY DATA SHEET

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## Soy Technologies, LLC

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### Section I — Identification

Product Names: SoyDerm® Waterless Hand Cleaner

Chemical Name: Soy-Based Mixture  
Chemical Family: Trade Secret  
Chemical Formula: Trade Secret

|                  |   |                 |      |
|------------------|---|-----------------|------|
| HMIS:            |   | NFPA:           |      |
| Health:          | 1 | Health:         | 1    |
| Flammability:    | 1 | Flammability:   | 1    |
| Physical Hazard: | 0 | Reactivity:     | 0    |
| PPE:             | B | Special Hazard: | None |

### Section II — Composition Information on Ingredients

Trade Secret - Specific chemical identities will be made available to medical professionals and others as required by 29 CFR 1910.1200 (i) (iv)

Composition: Poly (oxy-1, 2-ethanediyl), alpha - (nonylphenyl),  
omega - hydroxy

Weight: < 20%

OSHA TWA: NE ACGIH TLV: NE CAS Number: 9016-45-9

### Section III — Hazards Identification

#### Health Hazards (Acute and Chronic):

Acute: May cause eye irritation. May cause abdominal discomfort, nausea, and diarrhea if swallowed.

Chronic: No known adverse effects.

Medical Conditions Generally Aggravated by Exposure: None known

### Section IV — First Aid Measures

Inhalation: Remove to fresh air.

Skin: Wash thoroughly with soap and water. Remove soiled clothing and wash before reuse.

Ingestion: Get medical attention.

Eyes: DO NOT RUB EYES. Immediately flush thoroughly with plenty of water. Get medical attention. If discomfort or symptoms develop, get medical attention.

### Section V — Fire and Explosion Hazard Data

Flash Point (Method Used): > 202°F

Flammable Limits: Not determined

Extinguishing Media: Water spray, dry chemical, foam and CO<sub>2</sub>.

Fire Fighting Procedures: Treat as oil fire. Use water spray to cool fire-exposed containers.

Fire and Explosion Hazards: Rags soaked with any solvent present a fire hazard and should always be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion

### Section VI — Accidental Release Measures

Avoid uncontrolled releases of this material into the environment. Contain spilled material. Where necessary, collect using absorbent media. Transfer to secure labelled containers.

### Section VII — Precautions for Safe Handling and Use.

#### Precautions to be taken in handling and storing:

Store upright in a cool, dry well ventilated area, in tightly closed containers away from combustible materials, material used in combination with any other materials or in any other applications. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated.

### Section VIII — Exposure Controls/Personal Protection

Ventilation/Engineering Controls: Adequate general ventilation.  
Respiratory protection: None required where adequate ventilation conditions exist

Eye protection: Chemical splash goggles recommended.

Skin protection: Impervious gloves recommended.  
Other protective clothing or equipment: Wear suitable clothing to avoid skin contact.

Work/Hygienic practices: Do not smoke in areas of storage or use. Avoid contact with eyes.  
Wash with soap and water immediately after handling.

### Section IX - Physical and Chemical Characteristics

Boiling Point: >600°F  
Vapor Pressure (mm Hg.): Not determined  
Vapor Density (Air = 1): Not determined  
Solubility in Water: Partially soluble  
Specific Gravity (H<sub>2</sub>O = 1): Approx. 1.0  
Melting Point: 30°F  
Evaporation Rate (But Ac =1): Not determined  
Appearance: Yellow or Green Lotion  
Odor: Mild

### Section X — Stability and Reactivity

Stability: Stable.  
Conditions to Avoid: Excessive heat or open flame.  
Incompatibility (Materials to Avoid): Strong oxidizing agents. Acids  
Hazardous Decomposition Byproducts: CO and CO<sub>2</sub> may be produced.  
Hazardous Polymerization: Will not occur.

### Section XI — Toxicological Information

Eye irritant. This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable or suspected human carcinogens.

### Section XII — Ecological Information

Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

### Section XIII — Disposal Considerations.

Disposal of all product and used clean up materials must be in accordance with all applicable federal, state and local regulations.

### Section XIV — Transport Information

Not regulated.

### Section XV — Regulatory Information

U.S. FEDERAL REGULATIONS:

#### TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es): Eye Irritant.

STATE REGULATIONS:

Consult the regulations of the given state.

INTERNATIONAL REGULATIONS:

Consult the regulations of the importing country.

### Section XVI — Other Information

MSDS is reliable to the best of the company's knowledge. For detailed MSDS, contact company at 859-881-1200 or download at [www.soytek.com](http://www.soytek.com).