

Product Information Sheet



Description

SoyGreen® solvents are unique soy-based blends effective for a variety of applications. Formulated to replace many common terpene and petrochemical based products including mineral spirits, D'Limonene, naphtha, and toluene, SoyGreen® solvents are completely environmentally safe by any definition – low VOC's*, bio-based, readily biodegradable, non-flammable, and manufactured in a ISO-14001 certified facility. SG1000 is ideal for degreasing, metal cleaning, automotive parts cleaning, and many other applications. SG5000 is the same chemistry but slightly more aggressive, and ideal for paint removal, ink cleanup, mastic removal, engine and heavy-duty degreasing, etc. SG6000 is a thickened version of SG5000, and ideal for vertical applications. For removal of polyurethanes and multiple layers of lead paint, try SoyGreen® PolyStripper or EnviroClear. SoyGreen® solvents are non-evaporative and will remain active for up to 24 hours. Available in gallons, 5-gallon pails, and 55-gallon drums. Totes available on special request.

Directions

Dilution: SoyGreen® solvents are RTU for most applications such as degreasing, paint and ink removal and cleanup, mastic removal, and others. For metal cleaning and other applications, product can be diluted up to 1:4 (1 part solvent to 4 parts water). Note - if diluted, product must be continuously mixed (separation will occur).

Dwell Times: Product is most effective with a dwell time of 10-20 minutes. For heavy-duty degreasing, carbon build-up, and multiple layer paint removal applications, longer dwell times of 20-30 minutes is recommended depending upon temperature and coating being removed.

Cautions: SoyGreen® solvents are aggressive formulations and may cause damage to some plastics and rubber. Test all sprayers, brushes, scrapers, and surfaces to be treated for solvent compatibility. For pre-spot carpet cleaning or other floor cleaning applications, products leave a slight residue and must be extracted.

Cleanup: SoyGreen® solvents are water miscible and easily cleaned with water.

Safety Data

Caution:

Eye Irritant. Avoid contact with eyes. As with all solvents always use suitable safety glasses and gloves.

First Aid:

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

Skin: Wash off with soap and water. **Ingestion:** Seek medical attention. **Inhalation:** Remove to fresh air.

Keep out of reach of children.

Technical Data

Type: Solvent

Appearance: Clear-Light Yellow Liquid
Light Brown Viscous Liquid (SG6000)

Scent: Mild

pH @ 1% Solution: 4.7-5.1

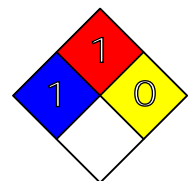
Flash Point: >200° F

Boiling Point: >600°F

Melting Point: 30°F

Specific Gravity: 0.910-0.975

VOC Percentage: < .5%-4.4%



*VOC Compliant

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MATERIAL SAFETY DATA SHEET

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Section I — Identification

Product Names: SoyGreen® 1000
SoyGreen® 5000
SoyGreen® 6000
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)

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): > 200°F
Flammable Limits: Not determined
Extinguishing Media: Water spray, dry chemical, foam and CO₂.
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 (H₂O = 1): .910-0.975
Melting Point: 30°F
Evaporation Rate (But Ac =1): Not determined
Appearance: Clear to light yellow liquid
Light Brown viscous liquid (6000)
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 CO₂ 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