

# MATERIAL SAFETY DATA SHEET

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## Soy Technologies, LLC

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### Section I — Identification

Product Names: Soyanol™ 1000E Emulsion - Concentrate  
Soyanol™ 5000E Emulsion - Concentrate  
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: > 220°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:

None required for normal use.

### Other protective clothing or equipment:

Wear suitable clothing to avoid prolonged 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

Flash Point: >220°F  
Solubility in Water: Emulsible  
Specific Gravity (H<sub>2</sub>O = 1): 0.983 - 0.995  
pH: 7.0 - 9.0 (Soyanol™ 1000E)  
4.0 - 6.0 (Soyanol™ 5000E)  
VOC - Method 310: 3.96% (Concentrate)  
< 1% (Typical Dilutions)  
Appearance: Light Yellow Liquid (Undiluted)  
White Emulsion (Diluted)  
Odor: Mild

### Section X — Stability and Reactivity

Stability: Concentrate is Stable.  
Shelf Life of Dilution - 1 Year  
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 carcinogen.

### 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)