

# SOYSOLV<sup>®</sup> II Plus

## MATERIAL SAFETY DATA SHEET

### SECTION 1 MATERIAL IDENTIFICATION

Product Name: SOYsolv II Plus  
Revision Date: 3/24/00  
Chemical Name: Ethyl Hydroxy Propionate/  
Fatty Acid Methyl Esters  
DOT Classification: Compound Cleaning Liquid N.O.S. UN NA 1993

SOYsolv<sup>®</sup>  
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### SECTION 2 HAZARDOUS INGREDIENTS

<u>Chemical/Common Name</u>	<u>Percent</u>	<u>CAS NO.</u>	<u>Applicable PEL-OSHA</u>	<u>Exposure Limits TLV-ACGIH</u>
Ethyl Lactate	10-90	97-64-3	none	none
Methyl Soyate	10-90	67784-80-9		

### SECTION 3 HEALTH HAZARD DATA

#### Acute Health Effects:

Eyes: Risk of damage  
Skin Contact: Not an irritant

Ingestion:  
Inhalation: Possible narcotic effects at excessive exposure

Chronic Health Effects: None known; not listed as a carcinogen

Routes of Entry: Most common – skin and inhalation

Medical Conditions Aggravated by Exposure: Mist may cause eye/respiratory irritation with coughing

### SECTION 4 FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes. See a medical doctor immediately.

Skin: Rinse with water

Inhalation: Remove to fresh air. If discomfort occurs and persists, obtain medical attention.

Ingestion: Induce vomiting. See a doctor immediately.

### SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Water, water fog, carbon dioxide (CO<sub>2</sub>), dry chemical

Special Procedures: Wear NIOSH approved respirator

Degree of Fire and Explosion Hazard: Moderate. Rags soaked with any solvent can present a fire hazard and should be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags, under certain conditions can lead to spontaneous combustion.

Hazardous Decom-

Position Procedures: None. Decomposes to water and CO<sub>2</sub> when completely combusted.

### SECTION 6 ACCIDENTAL RELEASE/SPILL MEASURES

Procedure for Cover with large quantity of absorbent material (e.g. kitty litter) and collect in drums for

SOYSOLV<sup>®</sup> II Plus

Release or Spill: disposal. Clean contaminated area with water and discharge to sewer.

## SECTION 7 CHEMICAL AND PHYSICAL DATA

Melting Point:	not applicable	Specific Gravity (H <sub>2</sub> O=1):	0.946
Boiling Point:	292° F	Percent volatile by volume (%):	55
Vapor Pressure (mmHg):	0.9 @ 68° F	Evaporation rate (butyl acetate=1):	0.12
Vapor Density (air=1):	4.1	pH of water dispersion:	6.9
Flash Point (method used):	150° F	Appearance and Odor:	Clear colorless to light yellow liquid; mild odor
ASTM D93, closed cup			
Flammable limits @ 212° F:	Lel – no data Uel – No data		
Extinguishing Media:	water, foam, CO <sub>2</sub>	Odor Threshold:	no data
Special Fire Fighting Proc:	not required		
Incompatibility (materials to avoid):	none	Partition coefficient:	n-octanol/water – not applicable
Hazardous decomposition Products:	none	Autoignition Temperature:	no data
		Explosive Properties:	not applicable
		Oxidizing Properties:	not applicable

## SECTION 8 STABILITY AND REACTIVITY DATA

Stability: stable  
Hazardous Polymerization: none known  
Conditions to Avoid: none known  
Materials to Avoid: strong oxidizing agents  
Major Contaminants that Contribute to Instability: none  
Incompatibility: none known  
Hazardous Decomposition Products: none  
Sensitivity to Mech. Impact: none  
Sensitivity to Static Discharge: none

## SECTION 9 TOXICOLOGICAL INFORMATION

Eye Contact: irritant  
Skin Contact: LD 50 (rats/24 hrs.) >2000mg/kg  
Skin Absorption: no data available  
Inhalation: LC 50 (rat/4 hrs.) > 5400 mg/m<sup>3</sup>  
Ingestion: LD 50 > 4090 mg/kg (rat) (RTECS 1985-86)  
Acute Effects from Overexposure: may cause irritation of the eyes  
Chronic Effects from Overexposure: none identified  
(effects considered include: sensitivities, carcinogenicity, teratogenicity, mutagenicity, synergistic, products, and any medical conditions generally recognized as being aggravated by exposure)

## SECTION 10 ECOLOGICAL INFORMATION

Environmental Fate: 100% biodegradable  
Environmental Effects: No adverse effects known or suspected. Not listed toxic chemical under SARA Title 111.302, 304 or 313

## SECTION 11 HANDLING AND STORAGE

Handling: Keep container tightly closed. Store in a cool, dry,

well-ventilated, liquid storage area.  
Ventilation: Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.  
Storage: Store in a cool, dry area away from acids.

## SECTION 12 EXPOSURE CONTROL/PERSONAL PROTECTION

### Recommended Personal Protective Equipment:

Respiratory: None required where adequate ventilation conditions exist.  
Ventilation:  
(Local Exhaust): recommended  
(Mechanical – general): general dilution  
Eye Protection: Use chemical goggles  
Gloves: Use impervious gloves to prevent skin contact.  
Special Clothing and Equipment: Aprons recommended. If clothing becomes contaminated, remove and launder before reuse.  
Other Protective Equipment: none identified  
Foot Protection: industrial safety shoes  
Other Engineering Controls: none identified  
Work Practices: Do not smoke in areas of storage or use. Avoid all contact with skin and eyes.  
Control Measures: Minimize eye and skin contact by using appropriate protective equipment. Use local or general room ventilation to control vapors or mist that may be generated into the work environment.

## SECTION 13 SPECIAL PRECAUTIONS DATA

Precautions to be Taken in Handling and Storing – Avoid all contact with eyes or skin. Wear the appropriate protective equipment. Protect containers from physical damage.

Maintenance Personnel – Wash down vessels. Check the oxygen and combustible vapor content of the vessel atmosphere. Use the appropriate protective equipment.

## SECTION 14 DISPOSAL PROCEDURES

Waste Disposal Method: Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water. Dispose in accordance with all applicable Federal, State and local environmental regulations.

## SECTION 15 TRANSPORT INFORMATION

DOT Proper Shipping Name: Compound Cleaning Liquid, N.O.S.  
IATA: not applicable  
IMDG: Class 3.3  
DOT Classification: Combustible Liquid N.O.S.  
DOT Labels: Flammable Liquid, 3  
DOT Marking: not applicable  
DOT Placard: bulk: flammable liquid; no placard required under 110 gal.  
UN Number: NA 1993, PG III  
Hazardous Substance/RQ: not applicable  
49 STCC Number: not applicable  
Precautions To Be Taken in Transport: none needed  
Other Shipping Information: none

## SECTION 16 REGULATORY INFORMATION

OSHA Exposure Limits Substance(s):	Ethyl Lactate
OSHA PEL-TWA:	not applicable
STEL:	not applicable
Ceiling:	not applicable
Skin Designation:	not applicable
AGGIH TLV-TWA:	not applicable
STEL:	not applicable
Ceiling:	not applicable
Skin Designation:	not applicable
Target Organ Effects:	Eye
Carcinogenic Potential:	none
Regulated by OSHA:	no
Listed on NTP Report:	no
IARC Group 1, 2A, 2D:	no
US EPA Requirements Release Reporting CERCLA:	
(40 CFR 302):	
Listed Substances:	not listed
RQ:	not applicable
Category:	not applicable
RCRA Waste No.:	not applicable
Unlisted Substances:	not applicable
RQ:	not applicable
Characteristic:	not applicable
RCRA Waste No.:	not applicable
SARA Title III Sec 313 (40 CFR 372):	
Listed Toxic Chemical:	not listed
Inventory Reporting SARA Title III Sec 311/312:	
(40 CFR 370):	
Substance(s):	
Hazard Category:	
Planning threshold:	
Emergency Planning:	
SARA Title III Sec 302-303 (40 CFR 355):	
Listed Substances:	not applicable
RQ:	not applicable
Planning Threshold:	not applicable
US TSCA Status:	listed
Canada Ingredient Disclosure List Substance(s):	
Controlled Product:	
Hazard Symbols:	
Class and Division:	
Product Identification No.:	
Domestic Substance List:	
CEPA Priority List:	
Carcinogenicity:	not listed in other OSHA, ACGIH, NTP, or IARC
ACGIH Appendix A:	not listed
A1 – Confirmed Human:	not listed
A! – Suspected Human:	not listed
IARC Group 1 or 2:	no
Label Language (US/Canada) Health:	not applicable
Physical Handling and Storage:	Keep container tightly closed. Store in a cool, dry, well-ventilated liquid storage area.

First Aid: In case of contact, immediately flush eyes with water for at least 15 minutes. If irritation persists, obtain medical attention. Flush skin with water.

State Regulations:

#### SECTION 17 ADDITIONAL INFORMATION

OSHA permissible exposure limit or ACGIH threshold limit value has not been established.

#### SECTION 18 HMIS LABEL

HEALTH: 1  
FLAMMABILITY: 2  
REACTIVITY: 0  
PERSONAL PROTECTION: B

### DEPARTMENT OF TRANSPORTATION

Hazardous Materials Regulations, 49 CFR

Proper Shipping Name: Compound Cleaning Liquid, N.O.S.  
Hazard Class: 3  
Packaging Group: III  
Reportable Quantity: None  
Label Required (drums): None  
Placard Required (Bulk): Placard flammable liquid  
Maximum Quantity – Aircraft: No limit  
Stowage on vessels: Above or Below Deck

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