

SOYSOLV® CORNSOLV

Product Name: SOYsolv CORNsolv
Revision Date: 11/01/10

SOYsolv ® 6154 N CR 33

800-231-4274 e-mail:
sales@soysolv.com

SECTION 1 MATERIAL IDENTIFICATION				
Chemical/Common Name	Percent	CAS NO.	Applicable PEL-OSHA	Exposure Limits TLV-ACGIH

MATERIAL SAFETY DATA SHEET

Tiffin OH 44883 www.soysolv.com Emergency Phone #: 800-231-4274
DOT Classification: Combustible Liquid N.O.S. UN NA 1192 Formula: CH₃-CH(OH)-COO-CH₂CH₃

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Ethyl Lactate		97-64-3	none	none

SECTION 2 HAZARDOUS INGREDIENTS

Acute Health Effects:

Eyes: Risk of damage

Ingestion:

Skin Contact: Not an irritant Inhalation: Possible narcotic effects at excessive exposure Chronic Health Effects: Oral Allowed as food additive by FDA and FAO/WHO; 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 (CO₂), dry chemical Special Procedures: Wear NIOSH approved

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SECTION 1 MATERIAL IDENTIFICATION				SECTION 6 ACCIDENTAL RELEASE/SPILL
Chemical/Common Name	Percent	CAS NO.	Applicable PEL-OSHA	
Ethyl Lactate		97-64-3	none	none

MEASURES

Procedure for Cover with large quantity of absorbent material (e.g. kitty litter) and collect in drums for Release or Spill: disposal. Clean contaminated area with water and discharge to sewer.

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Ethyl Lactate		97-64-3	none	none

Degree of Fire and Moderate
SECTION 3 HEALTH HAZARD DATA
SECTION 7 CHEMICAL AND PHYSICAL DATA

Flammable limits @ 212 °F: Lel – 1.6% Uel – 10.6% Extinguishing Media: water, foam, CO₂ Odor Threshold: 0.89 mg/m³
(0.18 ppm) Special Fire Fighting Proc: not required Bulk Density (G/ML): not applicable Incompatibility (materials
Partition coefficient: n-octanol/water – not applicable to avoid): none Autoignition Temperature: 752 °F Hazardous
decomposition Explosive Properties: not applicable Products: none 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: severe irritant (rabbit) Skin Contact: LD 50 (rats/24 hrs.) >2000mg/kg Skin Absorption: no data available
Inhalation: LD 50 (rat/4 hrs.) >5400 mg/m³ **Ingestion:** LD 50 = 4090 MG/KG (rat) (RTECS 1985-86) Acute Effects from
Overexposure: may cause severe 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 toxicchemical 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.

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SECTION 12 EXPOSURE CONTROL/PERSONAL PROTECTION

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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.

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SECTION 14 DISPOSAL PROCEDURES

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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: Ethyl Lactate 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 1192. Drums: no placard required

under 110 gal. UN Number: 1192 Hazardous Substance/RQ: not applicable 49 STCC

Number: not applicable Precautions To Be Taken in Transport:

none needed Other Shipping Information: none

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SECTION 16 REGULATORY INFORMATION

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

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): Ethyl Lactate

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): Ethyl Lactate

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: Ethyl Lactate Hazard Class: 3.3 Packaging Group: III

Reportable Quantity: None Label Required (drums): None Placard Required (Bulk): Placard flammable liquid 1192

Maximum Quantity – Aircraft: No limit Stowage on vessels: Above or Below Deck

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