

MATERIAL SAFETY DATA SHEET



Date Issued: 06/21/2007

MSDS No: 4465

Date-Revised: 08/07/2007

Revision No: 1

ETHYL LACTATE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ETHYL LACTATE**PRODUCT CODE:** 4465**MANUFACTURER**

Distributed by Tarr Acquisition, LLC
 4115 W. Turney Ave.
 Phoenix AZ 85019
Service Number: 602-233-2000

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:** Clear, water-white liquid. Characteristic odor.**MEDICAL CONDITIONS AGGRAVATED:** Mist may cause eye/respiratory irritation with coughing.**ROUTES OF ENTRY:** Skin contact, Ingestion, Inhalation of mist.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Propanoic acid, 2-hydroxy-, ethyl ester	100	000097-64-3

4. FIRST AID MEASURES

EYES: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing.
 Call a physician if irritation develops. Wash clothing before reuse.

INGESTION: Do not give liquids if victim is unconscious or drowsy. Otherwise, have victim drink water or milk to dilute. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING.
 Call doctor or Poison Control immediately. Induce vomiting only if advised by doctor or Poison Control.

INHALATION: Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 47°C Closed Cup

FLAMMABLE LIMITS: 1.5 to 11.4

GENERAL HAZARD: Flammable liquid and vapor.

EXTINGUISHING MEDIA: Use water spray, dry chemical, carbon dioxide, foam.

FIRE FIGHTING PROCEDURES: WARNING! Flammable Liquid. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA. Water may be ineffective. Water may be used to keep fire-exposed containers cool until fire is out. Use fog nozzles if water is used.

FIRE FIGHTING EQUIPMENT: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL: Remove all sources of ignition and provide ventilation. Handling equipment must be grounded to prevent sparking. Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing as given in Section 8. Stop source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress. Contain run-off. Remove with vacuum truck or pump to storage/salvage vessels. Absorb residue or small spills with inert material (clay, sand). Place in non-leaking containers for proper disposal. Flush area with water to remove trace residue. Dispose of flush solutions as above. Prevent contamination of surface waters.

COMMENTS: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Do not inhale vapors. Keep away from heat and open flame. Wash thoroughly with soap and water after handling. Store tightly closed containers in cool, dry place. Use inert gas blanket.

STORAGE: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust and general ventilation must be adequate to meet exposure limit(s).

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical goggles/face shield.

SKIN: Impervious gloves such as viton or nitrile should be worn at all times when handling this material. (Consult your safety equipment supplier.) In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn. Safety showers should be available for emergency use.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Wear Apron

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Characteristic odor.

APPEARANCE: Colorless liquid.

VAPOR PRESSURE: NA = Not Applicable

VAPOR DENSITY: 4.07

BOILING POINT: 154°C

MELTING POINT: -26.0°C

FLASHPOINT AND METHOD: 47°C Closed Cup

SOLUBILITY IN WATER: Complete.

EVAPORATION RATE: Less than 1 (n-Butyl Acetate = 1)

SPECIFIC GRAVITY: 1.030 at 20°C

10. STABILITY AND REACTIVITY

STABLE: Yes

STABILITY: Stable under normal conditions.

INCOMPATIBLE MATERIALS: Strong oxidizers.

COMMENTS: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Propanoic acid, 2-hydroxy-, ethyl ester	2500 mg/kg (mouse)

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None known.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be made in accordance with applicable governmental regulations. Do not contaminate any streams, lakes, or ponds.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Ethyl Lactate

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1192

PACKING GROUP: III

NAERG: 129

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes
CHRONIC: No

313 REPORTABLE INGREDIENTS: To the best of our knowledge, this product is not listed as a toxic chemical.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

16. OTHER INFORMATION

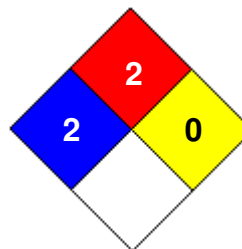
PREPARED BY: Compliance Dept.

REVISION SUMMARY: Revision #: 1 This MSDS replaces the August 07, 2007 MSDS. Any changes in information are as follows: In Section 15 SARA 311/312 Hazard Categories SARA 313 Reportable Ingredients 302/304 Emergency Planning

HMIS RATING

HEALTH:		2
FLAMMABILITY:		2
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA CODES



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