

MATERIAL SAFETY DATA SHEET

24 HR. EMERGENCY PHONE # CHEM-TREC 1-800-424-9300

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SECTION 1 Product Identification

CHEMICAL NAME: Ethyl Acetate
CAS #: 000141-78-6
FORMULA: C₄H₈O₂
SYNONYM: Acetic Acid , Ethyl Ester, Acetic Ether

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS #	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	000141-78-6	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: WARNING! FLAMMABLE LIQUID AND VAPOR. HIGH VAPOR CONCENTRATIONS MAY CAUSE DROWSINESS AND IRRITATION OF THE EYES OR RESPIRATORY TRACT. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION

EYE CONTACT: Causes irritation, redness, and pain

SKIN CONTACT: Causes irritation to skin. Symptoms include redness, itching, and pain. Repeated or prolonged contact with the skin has a defatting effect and may cause dryness, cracking, and possibly dermatitis.

INHALATION: Inhalation can cause severe irritation of mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, shortness of breath, headache, and vomiting.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

CHRONIC HEALTH EFFECTS: Chronic overexposure may cause anemia with leukocytosis and damage to the liver and kidneys.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Firefighting Measures

FLASH POINT: no data

AUTO IGNITION TEMPERATURE: no data

EXPLOSION LIMITS: no data

EXTINGUISHING MEDIUM: water spray, dry chemical, carbon dioxide foam

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide

UNUSUAL FIRE OR EXPLOSION HAZARDS: Flammable. Vapors may cause a flash fire or ignite explosively.

Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store material in a tightly sealed container .

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles, face shield when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Chemical-resistant.

VENTILATION: If possible, handle the material in an efficient fume hood.

RESPIRATOR: If in form of fine dust and ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: colorless liquid

MOLECULAR WEIGHT: no data

MELTING POINT (DEG. C.): -83°C

BOILING POINT: 78°C

VAPOR PRESSURE: 99mbar

SPECIFIC GRAVITY: 0.902

SOLUBILITY IN WATER: moderate

SECTION 10 Stability and Reactivity

STABILITY: stable

HAZARDOUS POLYMERIZATION: will not occur

SECTION 11 Toxicological Information

RTECS DATA: Oral LD-50 (rat): 5.60g/kg; Inhalation LC-50(rat): 16,000 ppm/6 hours(s); Dermal LD-50 (rabbit): > 20ml/kg

MUTAGENIC EFFECTS: no data

TETRATOGENIC EFFECTS: no data

CARCINOGENIC EFFECTS: no data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Ethyl Acetate, Class 3, UN 1173, PG II

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory

SARA (TITLE 313): Title compound listed

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 10/05