

ETHYL ACETATE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: ETHYL ACETATE

Product Code: 1861

CAS#: 141-78-6

Synonym: Not available

Chemical Formula: CH₃COO₃ H₅

Molecular Weight: 88.11

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

ETHYL ACETATE

Toxicological Data on Ingredients: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not Available

MUTAGENIC EFFECTS: May affect genetic material. Mutagenic effects in mammalian somatic cell, Mutations in microorganisms

TERATOGENIC EFFECTS: Not Available

DEVELOPMENTAL TOXICITY: Not Available

Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with soap and plenty of water.

Serious Skin Contact: Not Available

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Serious Inhalation: Not Available

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature

Auto-Ignition Temperature: Not Available

Flash Points: Not Applicable

Flammable Limits: Not Applicable

Products of Combustion: Not Applicable

Fire Hazards in Presence of Various Substances: Not Available

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not Available

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder



LARGE FIRE: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Not Available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading Water on the contaminated surface and allow evacuating through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions: Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not Available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Colorless liquid
Odour	: Not available
Taste	: Not available
Molecular Weight	: 88.11
Colour	: Not available
pH	: Not available
Boiling Point	: Not available
Melting Point	: Not Available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Not Available

SECTION 10: STABILITY AND REACTIVITY DATA



Stability: The product is chemically stable under standard ambient conditions (room temperature).

Instability Temperature: Not available

Conditions of Instability: Incompatible materials, Moisture. Stable in dry air, but slowly decomposes in moist air.

Incompatibility with various substances: Reactive with acids, metals and oxidizing agents

Special Remarks on Reactivity: Electrolysis of ETHYL ACETATE in presence of nitrogenous compounds to produce chlorine may lead to formation of explosive nitrogen trichloride. Potentially explosive reaction with dichloromaleic anhydride + urea

Special Remarks on Corrosivity: Not available

Polymerization: Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Ingestion.

Toxicity to Animals:

LD50 Oral: Rat - 5.620 mg/kg Remarks: (RTECS)

LC50 Inhalation: Rabbit - male - > 20.000 mg/kg Remarks: (ECHA)

Chronic Effects on Humans: Not Available

Other Toxic Effects on Humans: Not Available

Special Remarks on Toxicity to Animals: Not Available

Special Remarks on Chronic Effects on Humans: Not Available

Special Remarks on other Toxic Effects on Humans: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Not Available

BOD and COD: Not Available

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

Toxicity of the Products of Biodegradation: Not Available

Special Remarks on the Products of Biodegradation: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR/RID: - 1173

IMDG: - 1173

IATA: - 1173

14.2 UN proper shipping name

ADR/RID: ETHYL ACETATE

IMDG: ETHYL ACETATE

IATA: ETHYL ACETATE

14.3 Transport hazard class(es)

ADR/RID: - 3

IMDG: - 3

IATA: - 3

14.4 Packaging group

ADR/RID: - II

IMDG: - II

IATA: - II

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: No

IATA: No

14.6 Special precautions for user: Not applicable

DOT Classification: Not a DOT controlled material (United States).



Identification: Not applicable

Special Provisions for Transport: Not applicable

IATA: No

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: ETHYL ACETATE

Other Regulations: Take note of Dir 94/33/EC on the protection of young people at work.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC): This product is not classified according to the EU regulations.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard: Not Available

Protective Equipment: Gloves, Lab coat, Safety glasses, Dust respirator - be sure to use an approved/certified respirator or equivalent.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements: Not available

Other Special Considerations: Not available

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