



# Biochemical Diagnostics, Inc.

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## MATERIAL SAFETY DATA SHEET

### GENERAL INFORMATION

**TRADE NAME:** Ethyl Acetate

**Catalog Number:** 35071105, 35071156,  
**Part of Kit:** 35070401, 35070001

**Chemical Name:** Ethyl Acetate

**CAS #:** 141-78-6

**Formula:** CH<sub>3</sub>COOC<sub>2</sub>H<sub>5</sub>

### INGREDIENTS

**Components:** Ethyl Acetate

**Threshold Limit Values:** N/A

### PHYSICAL DATA

**Boiling Point:** 77 C

**Vapor Pressure:** 76 @20 C (68 F)

**Vapor Density:** 3.0

**Specific Gravity:** 0.902

**Percent Volatile:** 100%

**Evaporation Rate:** 6

**Solubility H<sub>2</sub>O:** 10%

**pH :** N/A

**Appearance:** Clear, colorless liquid

**Odor:** Fruity odor

**Melting Point:** N/A

**Molecular Weight:** 88

### FIRE AND EXPLOSION HAZARD DATA

**Flammable limits in air % by volume:**

**Lel:** 2.0%

**Uel:** 11.5%

**Flash Point:** -4 C/25 F

**Auto Ignition Temp:** 426C/ 799F

**Extinguishing Media:** Water spray, Carbon dioxide, dry chemical or Alcohol foam. Water may be ineffective.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Keep fire exposed containers cool. Heat will build pressure and may rupture closed storage containers. Sensitive to static discharge.

## REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Heat, sparks, open flame, open containers, and poor ventilation. Avoid nitrates, strong oxidizers, strong alkalis, or strong acids. Will attack some forms of plastic, rubber and coatings.

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Carbon dioxide, and carbon monoxide when heated to decomposition.

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## ENVIRONMENTAL PROTECTION PROCEDURES

**Spill Response:** Wear suitable clothing; carefully absorb material with absorbent recommended for solvent spills and remove. Do not use combustible materials like saw dust.

**Waste Disposal Method:** Dispose in accordance with state, local and federal regulations.

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## SPECIAL PROTECTION INFORMATION

**Eye Protection:** Safety goggles and or full face shield whenever splashing is possible.

**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**Respiratory Protection:** If exposure limit is exceeded, wear a supplied air full face-piece respirator, air-lined hood, or full face-piece self-contained breathing apparatus.

**Ventilation:** Keep vapor levels as low as possible,

use adequate general or local exhaust.

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## SPECIAL PRECAUTIONS

### **Insert Precautions:**

Keep container tightly closed. Store in cool, dry well-ventilated location, away from acute fire hazards.

**Contaminated Equipment Precautions:** Wash thoroughly with soap and water.

**Hygienic Handling and Storage:** Wash thoroughly with soap and water.

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## EMERGENCY AND FIRST AID PROCEDURES:

**Ingestion:** Can cause gastrointestinal tract discomfort. May cause nausea, vomiting or diarrhea. Give copious amounts of water. Seek medical attention.

**Inhalation:** Remove to fresh air, causes irritation to mucous membranes and upper respiratory tract. Symptoms include coughing, wheezing, shortness of breath, headache, nausea and vomiting.

**Skin Contact:** Wash immediately with soap and water. Remove contaminated clothing, causes irritation with redness and pain.

**Eye Contact:** Rinse with copious amounts of water. Vapors can be irritating; splashes can cause irritation, redness, and pain.

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<b>Health:</b>	2	Moderate
<b>Flammability:</b>	4	Extreme
<b>Reactivity:</b>	2	Moderate
<b>Contact:</b>	2	Moderate

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