

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Ethyl acetate
Size: 500, 4L
Chemical name: ethyl acetate
Formula: CH₃COOC₂H₅
Manufacturer: Carolina Biological Supply Company
Address: 2700 York Road
Burlington, NC 27215
For Information on Health Hazards Call: (919) 584-0381
For Other Information Call: (919) 584-0381
Date: 6/5/86

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): ethyl acetate 90-100%
TLV (Units): 1983/1984 ACGIH TWA value is 400ppm (1400 mg/cubic meter), TXDS LD50 5600mg/kg

SECTION III PHYSICAL DATA

Boiling Point (C.): at 760mm Hg-77°C
Vapor Pressure (mm Hg.): at 20°C-74.4mm Hg
Vapor Density (Air=1): 3.0
Specific Gravity (H₂O=1): 0.9
Percent Volatile By Volume (%): 100%
Evaporation Rate (=1): no information available
Solubility in Water: 1ml dissolves in 10ml water at 25°C; more soluble at lower and less soluble at higher temperatures.
Appearance and Odor: Clear, colorless liquid with a pleasant, fruity odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): -4°C (tag closed cup) -2°C (open cup)
Extinguisher Media: water spray, alcohol foam, dry chemical, carbon dioxide
Flammable Limits in Air % by Vol.: lower 2.2; upper 9.
Autoignition Temperature: no information available
Special Fire Fighting Procedures: On small fires; dry chemical or carbon dioxide. On large fires, water spray, or "alcohol type" foam. Use proper protective equipment for protection against vapors.
Unusual Fire and Explosion Hazards: Vapors may travel along to a ignition source and flash back.

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II
Effects of Over exposure: Moderately irritating. Particularly to mucous surfaces of nose and throat. Mildly narcotic. Irritating to eyes and skin.
Acute Overexposure: no information available
Chronic Overexposure: no information available
Emergency and First Aid Procedures:
Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped; give oxygen if breathing is difficult.

Eyes: Flush thoroughly with water.
Skin: Flush thoroughly with water.
Ingestion: Get medical attention. Give large amounts of salt water and induce vomiting. Do not make an unconscious person vomit.

SECTION VI REACTIVITY DATA

Stability:

stable

Conditions to Avoid: Avoid heat, sparks, and open flame
Incompatibility (Materials to Avoid): oxidizers, strong alkalies, saponified by bases; can be violent if not controlled.
Hazardous Decomposition Products: thermal decomposition may produce carbon monoxide and/or carbon dioxide.
Hazardous Polymerization: will not occur
Conditions to Avoid: no information available

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled: Remove all sources of ignition. Using proper protective equipment, cover the spill with vermiculite or another absorbent. When completely absorbed, scoop the material into a clean container for disposal. Flush spill area with water.
Waste Disposal Method: Dispose in accordance with federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Self-contained breathing apparatus or chemical cartridge respirator if TLV is exceeded.

Ventilation:

Local Exhaust: X (to meet TLV requirements)

Mechanical (general): X (to meet TLV requirements)

Special:

Other:

Protective Gloves: rubber gloves

Eye Protection: chemical safety goggles; do not wear contact lenses in the laboratory.

Other Protective Clothing or Equipment: lab coat, eye wash, safety shower, and spill cleanup materials.

SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Keep in a tightly closed container. Store away from incompatibles. Store in a cool place.

Other Precautions: no information available

Approved by: Dan Thomas