



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Detectabuse "No Vacuum"
Elution Solvent, n-butyl Chloride:Ethyl Acetate
(80:20) w/o Triethylamine

Catalog Number: 1406005-0, 1406005-1

Chemical Name: n-butyl chloride: ethyl acetate
(80:20)

CAS #: 109-69-3, 141-78-6

Formula: C₄H₉CL: CH₃C₀₀C₂H₅

INGREDIENTS

Components: n-butyl chloride, ethyl acetate

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: 78.4 C

Vapor Pressure: @78

Vapor Density: N/A

Specific Gravity: @0.900

Percent Volatile: N/A

Evaporation Rate: BuAc=1, @ca 9

Solubility H₂O: 10-20%

pH: N/A

Appearance: Clear, colorless liquid

Odor: unpleasant, possibly fruity

FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in air % by volume:

Lel: 1.9%

Uel: 10.8%

Flash Point: N/A

Auto Ignition Temp: N/A

Extinguishing Media: Carbon dioxide, dry
chemical or foam.

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 metals and
strong bases, nitrates, strong oxidizers, strong
alkalis, or strong acids. Will attack some forms of
plastic, rubber and coatings.

Materials to Avoid: Active metals and strong bases

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Incomplete combustion can generate phosgene, hydrogen chloride, and toxic vapors, Carbon dioxide, and carbon monoxide when heated to decomposition.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear suitable clothing, carefully absorb material with absorbent recommended for solvent spills and remove.

Waste Disposal Method: Dispose in accordance with state, local and federal regulations. N- butyl-chloride is an EPA hazardous waste (#D001)

SPECIAL PROTECTION INFORMATION

Eye Protection: Safety glasses, goggles, or face shield.

Skin Protection: Gloves, Lab Coat

Respiratory Protection: Use approved respirator equipment.

Ventilation: Use adequate general or local exhaust.

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.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: Can cause gastrointestinal tract discomfort. May cause nausea, vomiting or diarrhea.

Give copious amounts of water.

Inhalation: Remove to fresh air. Exposure can cause depression or stimulation of the CNS.

Skin Contact: Wash immediately with soap and water. Mild irritant.

Eye Contact: Rinse with copious amounts of water. Vapors can be irritating.

Health:	2	Moderate
Flammability:	4	Extreme
Reactivity:	0	None
Contact:	2	Moderate

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