



Biochemical Diagnostics, Inc.

180 Heartland Blvd., Edgewood, NY 11717 • Phone (631) 595-9200 Fax (631) 595-9204

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Ethanol, 5%

Catalog Number: 3506660-8 (1/2 liter)
3506661-2 (2.5 liters)

Part of Kit: 3506261-1
3506094-4
3506301-3

Chemical Name: Reagent Alcohol

CAS #: N/A to mixtures

Formula: Mixture of $C_2H_5OH + C_3H_7OH + CH_3OH$

INGREDIENTS

Components: Mixture Ethyl Alcohol, Methyl Alcohol and Isopropyl Alcohol in water.

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: 98C

Vapor Pressure: 40 @ 19C mm Hg

Vapor Density: 1.6 (ethanol), Air=1

Specific Gravity: 0.991

Percent Volatile: 100%

Evaporation Rate: N/A

Solubility H₂O: Miscible

pH: N/A

Appearance: Clear, colorless liquid

Odor: Mild pleasant, whiskey like odor

Melting Point: N/A

FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in air % by volume:

Lel: N/A

Uel: N/A

Flash Point: N/A

Auto Ignition Temp: N/A

Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective.

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

Unusual Fire and Explosion Hazards: Flammable Liquid and vapor. Dangerous fire hazard when exposed to heat of flame.

REACTIVITY DATA

Stability: Stable

Incompatibility: Strong oxidants, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine, and many other substances.

Conditions to Avoid: None

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Carbon dioxide and carbon monoxide may form when heated to decomposition.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear suitable clothing, carefully absorb and remove.

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

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.

SPECIAL PRECAUTIONS

Insert Precautions:

Keep container tightly closed. Use only with adequate ventilation.

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: May be harmful if swallowed in large quantity. Induce vomiting immediately as directed by medical personnel.

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

Skin Contact: Wash immediately with soap and water. Can cause irritation.

Eye Contact: Rinse with copious amounts of water, for at least 15 minutes. Seek medical attention. May cause blindness.

Health:	1	Slight
Flammability:	0	None
Reactivity:	0	None

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