

SAFETY DATA SHEET (SDS)

Ethanol, 5%

01. Product and Company Identification

Product Identifier:

Trade Name: Ethanol, 5%
Chemical Name: Reagent Alcohol
Catalog Number: 35066608, 35066612
Kit Number: 3506611, 35060944, 35063013
Use of chemical: Laboratory chemical

Identification of Manufacturer:

Manufacturer/Supplier: Biochemical Diagnostics, Inc.
 180 Heartland Blvd., Edgewood, NY 11717
 Phone: (631) 595-9200 | Fax: (631) 595-9204
Emergency telephone number: (800) 255-3924

02. Hazard(s) Identification

Classification of substance or mixture:

Skin irritation (Category 3) / Eye irritation (Category 2B)
Causes mild skin irritation. Causes eye irritation.

Label elements:

N/A

Signal word: Warning

Hazard statements:

H316 Causes mild skin irritation. H320 Causes eye irritation.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 IF SKIN IRRITATION OCCURS: Get medical advice/attention.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 1
 Fire = 0
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	0
REACTIVITY	0

Health = 1
 Fire = 0
 Reactivity = 0

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03. Composition/information on ingredients

Chemical Characterization: Mixture

CAS No. Description: N/A to mixtures

Formula: Mixture of: *Mixture Ethyl Alcohol, Methyl Alcohol, Isopropyl Alcohol 5%*
 $C_2H_5OH + C_3H_7OH + CH_3OH$
and Water 95%

04. First aid measures

Description of first aid measures:

Inhalation: N/A

Ingestion: Rinse mouth with water. If symptoms persist seek medical attention.

Skin Contact: Wash immediately with soap and water. If symptoms persist consult a physician.

Eye Contact: Rinse with thoroughly with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.

05. Firefighting measures

Extinguishing media: Water, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures: Standard firefighting procedure/gear.

Unusual Fire and Explosion Hazards: N/A

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment.

Environmental precautions:

N/A

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) and remove.

Waste Disposal Method:

Dispose in accordance with state, local and federal regulations

07. Handling and storage

Handling:

Precautions for safe handling: No special precautions are necessary if used correctly.

Information about protection against explosions and fires: N/A

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Keep container tightly closed.

Further information about storage conditions: N/A

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08. Exposure controls/ personal protection

Exposure Controls:

Control parameters:

Components with limit values that require monitoring at the workplace:

64-17-5 Ethanol

PEL Long-term value: 1900 mg/m³, 1000 ppm

REL Long-term value: 1900 mg/m³, 1000 ppm

TLV Short-term value: 1880 mg/m³, 1000 ppm

Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Eye Protection:



Tightly sealed goggles

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

Protection of Hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Respiratory Protection: None required.

Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.

09. Physical and chemical properties

Appearance:

Form: Liquid

Color: Colorless

Odor: Mild, pleasant, whiskey like odor

pH: no information found

Melting Point: N/A

Boiling Point: 98°C

Flash Point: >93°C

Ignition temperature: N/A

Explosion limits: Lower: N/A

Upper: N/A

Vapor Pressure @ 19°C: 40 mm Hg

Specific Gravity @ 20°C (68°F): 0.991 g/cm³

Vapor Density: 1.6 (ethanol), Air=1

Percent Volatile: N/A

Evaporation Rate: N/A

Flammable Limits in air % by volume: Lel: N/A

Uel: N/A

Solubility in/ Miscibility with Water@20°C: Completely soluble

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10. Stability and reactivity**Stability:** Stable**Incompatibility:** N/K**Conditions to Avoid:** Heat, sparks, open flame, open containers and poor ventilation. Extreme temperatures and sunlight.**Hazardous Polymerization:** Will not occur**Hazardous Decomposition:** N/K**11. Toxicological information****Acute toxicity:****LD/LC50 values that are relevant for classification:**

Oral LD50 7060 mg/kg (rat)

Inhalation LC50/4 h 20000 mg/l (rat)

Dermal N/A

Potential health effects:**On the skin:** Mild irritant.**On the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**12. Ecological information****Toxicity:** No data available.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Mobility in soil:** No data available.**Other adverse effects:** No data available.**13. Disposal considerations****Waste treatment methods****Product:**

Dispose of waste in accordance to applicable national, regional, or local regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

14. Transport Information

Not dangerous goods

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15. Regulatory Information**SARA 302 Components:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No data available

16. Other Information

Revision B, June 2015

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.