



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: Hepes Buffer

Catalog Number: 1400000-1

Chemical Name: 4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid

CAS #: 7365-45-9

Formula: C₈H₁₈N₂O₄S

INGREDIENTS

Components: Hepes Buffer Solution

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 1.00

Percent Volatile: N/A

Evaporation Rate: N/A

Solubility H₂O: Complete, 1M in H₂O, 20C

pH : 8.2

Appearance: Clear Liquid

Odor: None

Melting Point: 234C

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, carbon dioxide, dry chemical powder, or appropriate foam

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

Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

REACTIVITY DATA

Stability: Stable

Incompatibility: Protect from moisture. Strong oxidizing agents.

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

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.

Health:	0	None
Flammability:	0	None
Reactivity:	0	None

SPECIAL PRECAUTIONS

Insert Precautions:

Keep container tightly closed and store in a cool dry place.

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. Seek medical attention.

Inhalation: Irritating to mucous membranes. Remove to fresh air. If difficulty breathing, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

Skin Contact: May be harmful if absorbed through skin. Wash immediately with soap and water. If irritation persists, seek medical attention.

Eye Contact: Rinse with copious amounts of water for 15 minutes. Seek medical attention.

Emergency Response Telephone #:
1-800-255-3924

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