



Biochemical Diagnostics, Inc.

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MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

TRADE NAME: HCL Buffer (VMA Buffer)

Catalog Number: 3507190-3, 3507195-4
Part of Kit: 3507000, 35070303, 35070401

Chemical Name: Potassium Chloride, Hydrogen Chloride

CAS #: 7447407

Formula: N/A

INGREDIENTS

Components: Potassium Chloride, Hydrogen Chloride

Threshold Limit Values: N/A

PHYSICAL DATA

Boiling Point: 100 C

Vapor Pressure: N/A

Vapor Density: 1.7

Specific Gravity: N/A

Percent Volatile: N/A

Evaporation Rate: N/A

Solubility H₂O: Miscible

pH : 2.0

Appearance: Colorless

Odor: Odorless

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, Carbon Dioxide

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

REACTIVITY DATA

Stability: Stable

Incompatibility: (Materials to Avoid): Strong oxidizing agents (nitric sulphuric acids, alkalis, amines, phosphorus, tri & penta chloride), metals, chrome.

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Carbon mono/dioxide.

ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear PPE, contain spill, eliminate spark sources, soak up and put into containers for recovery or disposal, flush area with water.

Waste Disposal Method: Incinerate or dispose according to all federal, state and local regulations. Do not flush directly to sewer or surface

SPECIAL PROTECTION INFORMATION

Eye Protection: Chemical splash goggles or face shield.

Skin Protection: Rubber/vinyl gloves, coveralls closed to neck.

Respiratory Protection: None needed under normal conditions.

Ventilation: Local exhaust for mist & vapors.

Other Protection: Eyewash and safety shower available.

SPECIAL PRECAUTIONS

Insert Precautions: Store tightly capped in cool dry place.

Contaminated Equipment Precautions: Wash thoroughly after handling.

Hygienic Handling and Storage: Wash thoroughly after handling.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: Burns to mouth & throat, nausea, diarrhea. Weak acid; drink large amounts of water.

Inhalation: Irritation & burns to respiratory system. Remove to fresh air if large amounts are inhaled.

Skin Contact: Weak acid; wash with water

Eye Contact: Severe burn. Permanent eye damage. Flush with water. Weak acid; (0.001% HCL)

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