

SAFETY DATA SHEET (SDS)

VMA Buffer

01. Product and Company Identification

Product Identifier:

Trade Name: HCl Buffer (VMA Buffer)
Chemical Name: Potassium Chloride, HCl solution
Catalog Number: 35071903, 35071954
Part of Kits: 35070000, 35070303, 35070401
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:
 Not a hazardous substance or mixture.

Label elements:
 Not a hazardous substance or mixture

Signal word:

Hazard statements:
 Not a hazardous substance or mixture

Precautionary statements:

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0
 Fire = 0
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
 Fire = 0
 Reactivity = 0

03. Composition/information on ingredients

Chemical Characterization: Mixture

CAS No. Description : 7447-40-7, 7647-01-0

Formula : Potassium chloride, Hydrochloric acid (<1%), Water

Molecular weight : not available

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04. First aid measures

Description of first aid measures:

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.
Ingestion: Rinse mouth with water.
Skin Contact: Wash with soap and plenty of water.
Eye Contact: Rinse with thoroughly with plenty of water for at least 15 minutes.

05. Firefighting measures

Extinguishing media: Water spray, Dry chemical, alcohol-resistant foam, or carbon dioxide.

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

Unusual Fire and Explosion Hazards: None.

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away.

Environmental precautions:

No special environmental precautions required.

Methods and material for containment and cleaning up:

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

Waste Disposal Method:

Dispose in accordance with state, local and federal regulations.

07. Handling and storage

Handling:

Precautions for safe handling:

Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Further information about storage conditions: Keep receptacle tightly sealed.
 Store in well-ventilated, cool, dry conditions in well-sealed receptacles.

08. Exposure controls/ personal protection

Exposure Controls:

Control parameters:



Components with limit values that require monitoring at the workplace:
 Contains no substances with occupational exposure limit values.

Personal protective equipment:

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

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Eye Protection:		Tightly sealed safety glasses or face shield.
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. Dispose of gloves after use.		
Respiratory Protection: If the exposure limit is exceeded, use NIOSH approved and tested full-face respirator that is independent of circulating air.		
Ventilation: Use adequate general or local exhaust.		

09. Physical and chemical properties

Appearance:
Form: Liquid
Color: Colorless
Odor: Odorless
pH: 2.0
Melting Point: 16.2°C/ 61.2°F
Boiling Point: 100°C/ 212°F
Flash Point: N/A
Ignition temperature: N/A
Explosion limits: Lower: N/A Upper: N/A
Vapor Pressure @ 20°C: N/A
Specific Gravity @ 20°C (68°F): N/A
Vapor Density: 1.7, 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: soluble

10. Stability and reactivity

Stability: Stable
Incompatibility: no data available
Conditions to Avoid: N/A
Hazardous Polymerization: Will not occur
Hazardous Decomposition: no data available

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11. Toxicological information**Acute toxicity:****LD/LC50 values that are relevant for classification:**

no data available.

Potential health effects:**On the skin:** no data available.**On the eye:** no data available.**Inhalation:** no data available.**Ingestion:** no data available.**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 in accordance with local, state and federal regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

14. Transport Information

Not dangerous goods

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



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16. Other Information

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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.

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