



MATERIAL SAFETY DATA SHEET

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MSDS No. 9405906
9405907 9406006
Effective Date: December 1, 2005

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Buffer Solution pH7	416-984-3000 HAZARD RATING Minimal 0 Slight 1 Moderate 2 Serious 3 Severe 4 WHMIS
Chemical Synonyms	N/A	
Formula	Mixture.	
CAS No.	Mixture.	
Health	0	
Flammability	0	
Reactivity	0	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Potassium phosphate monobasic: CAS # 7778-77-0	0.718%	N/A
Sodium hydroxide: CAS # 1310-73-2	0.127-0.195%	Ceiling 2 ppm (air)
Water: CAS # 7732-18-5	~ 99%	N/A

CAUTION

SECTION III PHYSICAL DATA

Melting Point (°C)	Freezes @ ~ 0°C	Specific Gravity (H ₂ O = 1)	~ 1.0
Boiling Point (°C)	~ 100°C	Percent Volatile by Volume (%)	> 99%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Yellow liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Firefighting Procedures

Use dry chemical, CO₂, alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.

Flammability and Explosion Hazards

In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

TDG	Not controlled under TDG.
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SECTION V REACTIVITY DATA

BB0407

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Acids, alkalies.
	No		

Hazardous Decomposition Products	Phosphates, sodium oxides, hydroxides.
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Reactive under what conditions	No specific information is available.
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SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation. Ingestion.
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TLV	N/A
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Toxicity for animals	N/A
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Chronic effects on humans	Repeated or prolonged exposure to the substance can produce target organ damage. Target organs: None known.
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Acute effects on humans	May be harmful if inhaled, swallowed. May cause eye irritation, skin irritation.
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SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
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Storage	Keep container dry. Keep in a cool place. Keep container tightly closed.
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Precautions	Avoid contact with skin and eyes. DO NOT breathe vapor or spray. DO NOT ingest. If ingested, seek medical advice immediately.
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Spill or leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
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Protective Clothing	Splash goggles, lab coat, vapor respirator, gloves.
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SECTION VIII FIRST AID MEASURES

Specific first aid measures

Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No.	2	Date	December 1, 2005	Approved	Michael Raszeja
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