

SAFETY DATA SHEET

SECTION 1 --- IDENTIFICATION

Product Name: Laboratory Proficiency Sample pH
Common Synonyms: pH Proficiency Sample
Part numbers: LPS-PH
Product Use: Laboratory Reagent, Laboratory proficiency sample
Restrictions: Not for human consumption. Intended for laboratory use only.

Manufacturer/Supplier:
Bion Analytical
P.O. Box 85252
Sioux Falls, SD 57118
TEL: (605) 838-6679

In Case of EMERGENCY Call INFOTRAC: (800) 535-5053

SECTION 2 --- HAZARD IDENTIFICATION

No OSHA or GHS hazards present with this product.

SECTION 3 --- COMPOSITION/INFORMATION ON INGREDIENTS

Not a hazardous mixture according to OSHA.

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>
Water	7732-18-5	Balance
Potassium Hydroxide	1310-58-3	0-0.5%
Potassium Borate	12228-88-5	0-0.4%
Potassium Carbonate	584-08-7	0-0.6%
Ethylenediaminetetraacetic acid, disodium salt dehydrate	6381-92-6	0-1.0%
1,2-Benzenedicarboxylic acid, monopotassium salt	877-24-7	0-1.0%
Hydrogen chloride	7647-01-0	0-0.07%
Formaldehyde	50-00-0	0-0.05%
Methyl alcohol	67-56-1	0-0.02%

SECTION 4 --- FIRST AID MEASURES

Emergency and First Aid Procedures

INGESTION: Rinse mouth with water. Do not induce vomiting. Seek medical advice.
INHALATION: Supply fresh air. If required provide artificial respiration. Seek medical advice.
SKIN CONTACT: Wash with water and soap and rinse thoroughly. Seek medical advice.
EYE CONTACT: Rinse opened eye for several minutes under running water. Seek medical advice.

SECTION 5 --- FIRE-FIGHTING MEASURES

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Toxic Gases Produced: N/A

Protective equipment: Wear self-contained respirator if necessary.

SECTION 6 --- ACCIDENTAL RELEASE MEASURES

Steps to be Taken in the Event of a Spill or Discharge

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Discard per local, state, and federal regulations.

SECTION 7 --- HANDLING AND STORAGE

Storage Requirements

Keep container tightly closed. Store in a cool, dry, well-ventilated area. Wash thoroughly after use.

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SECTION 8 --- EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (Potassium Hydroxide): 2 mg/m³TWA
OSHA PEL (Hydrogen Chloride): 5 ppm TWA
OSHA PEL (Formaldehyde): 3 ppm TWA
OSHA PEL (Methyl alcohol): 200 ppm TWA

Eye/Face Protection: Safety glasses
Protective Clothing: Coat
Protective Gloves: Use chemically resistant gloves

SECTION 9 --- PHYSICAL and CHEMICAL PROPERTIES

Boiling Point: Not determined
Melting Point: Not determined
Specific Gravity: ~ 1 (Water = 1)
Physical State: Liquid, odorless
pH: 3-10
Vapor Pressure (mmHg): Not determined
Vapor Density (air=1): N/A
Evaporation Rate: N/A
Flash Point (Closed Cup): not determined
Auto ignition Temperature: not determined
Flammable Limits: Upper - not determined
Lower - not determined

SECTION 10 --- STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to Avoid: No data
Incompatibles: None known
Decomposition Products: N/A

SECTION 11 --- TOXICOLOGICAL INFORMATION

Toxicity of components

LD₅₀ Oral, Rat: (Potassium carbonate) > 2,000 mg/kg; LD₅₀ Oral, Rat: (Potassium hydroxide) 214 mg/kg; LD₅₀ Oral, Rat: (Hydrogen chloride) 238 mg/kg; LD₅₀ Oral, Rat: (Formaldehyde) 500 mg/kg; LD₅₀ Oral, Rat: (Methyl alcohol) 6200 mg/kg

Potassium carbonate: RTECS# TS77500000
Potassium hydroxide: RTECS# TT21000000
Hydrogen chloride: RTECS# MW4025000
Formaldehyde: RTECS# LP8925000
Methyl alcohol: RTECS# PC1400000

Not all chemical, physical and toxicological properties have been thoroughly investigated.

SECTION 12 --- ECOLOGICAL INFORMATION

No ecological information available for this product.

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SECTION 13 --- DISPOSAL CONSIDERATIONS

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

SECTION 14 --- TRANSPORT INFORMATION

Domestic (D.O.T.)

This product is not classified as a dangerous good.

SECTION 15 --- REGULATORY INFORMATION

This product contains the following chemicals Proposition 65 chemicals, Formaldehyde (carcinogen) and methyl alcohol (developmental) in small amounts.

SECTION 16 --- OTHER INFORMATION

Revision Date: 5/18/2015

N/A =Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated there under (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

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