



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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Buffer pH 7 Solution

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Buffer pH 7 Solution
Synonyms: Buffer solution, ph 7.00 +/- 0.01 @ 25 deg c, reference standard

SDS Number: R-136
Revision Date: 4/19/2019

Supplier Details: High Valley Products, Inc.
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2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **NONE**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

No GHS precautionary statements indicated

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredients | | |
|----------------------|--------|-------------------------------|
| CAS# | % | Chemical Name |
| 7732-18-5 | 99.1% | Water |
| 7778-77-0 | 0.68% | Potassium Phosphate Monobasic |
| 3051-11-4 | 0.1% | Brilliant Yellow |
| 99-76-3 | 0.01% | Methylparaben |
| 1310-73-2 | 0.116% | Sodium hydroxide |
| 94-13-3 | 0.002% | Propylparaben |

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with soap water until all chemical is removed. Get medical attention if irritation develops.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE FIGHTING MEASURES

Flammability: This product is not flammable.

Extinguishing media
Suitable extinguishing media
No data available.

Special hazards arising from the substance or mixture
No data available

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions:
Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Use personal protective equipment. Always ensure adequate ventilation. Wash hands thoroughly after handling.

Storage Requirements: Keep container tightly closed. Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:
Eye protection: Goggles. Safety glasses with side-shields.
Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.
Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------------|-------------------|---------------------------|-------------------|
| Physical State: | Yellow Liquid | Odor: | No data available |
| Odor Threshold: | No data available | Molecular Formula: | No data available |
| Specific Gravity or Density: | No data available | Solubility: | soluble |
| Viscosity: | No data available | Softening Point: | No data available |
| Saturated Vapor Concentration: | No data available | Percent Volatile: | No data available |
| Boiling Point: | No data available | Heat Value: | No data available |

Flammability: No data available

Freezing or Melting Point: No data available

Partition Coefficient: No data available

Flash Point: No data available

Vapor Pressure: The highest known value is 2.3 kPa (Water)

Vapor Density: No data available

Evaporation Rate: No data available

Volatile organic compound: No data available

Molecular weight: No data available

Bulk Density: No data available

Decompression Temperature: No data available

Upper Flammability Limit and Lower Flammability Limit: No data available

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STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid Identification: Stable at normal conditions

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TOXICOLOGICAL INFORMATION

Water cas#:(7732-18-5) [99.1%]

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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ECOLOGICAL INFORMATION

Water cas#:(7732-18-5) [99.1%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: not applicable

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

Non D.O.T regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Water (7732-18-5) [99.1%] TSCA

Phosphoric acid, monopotassium salt (7778-77-0) [0.68%] TSCA

Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[(4-hydroxyphenyl)azo]-, disodium salt (3051-11-4) [0.1%] TSCA

Benzoic acid, 4-hydroxy-, methyl ester (99-76-3) [0.01%] TSCA

RQ(1000LBS), Sodium hydroxide (1310-73-2) [0.116%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Benzoic acid, 4-hydroxy-, propyl ester (94-13-3) [0.002%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

Disclaimer:

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