



# HI-VALLEY CHEMICAL

## LABORATORY PRODUCTS

1134 W. 850 N.      CENTERVILLE, UT 84014  
(801) 295-9591      Fax (801) 295-9448  
www.hvchemical.com

**SDS**  
Hi Valley Chemical

### Buffer pH 10 Solution

#### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Buffer pH 10 Solution  
**Synonyms:** Buffer solution, ph 10.00 +/- 0.01 @ 25 deg c, reference standard  
**SDS Number:** R-137  
**Revision Date:** 4/19/2019  
**Supplier Details:** High Valley Products, Inc.  
1134 West 850 North  
Centerville, Utah 84014  
**Phone:** 801-295-9591  
**Email:** sales@hvchemical.com  
**Internet:** www.hvchemical.com  
**Emergency:** PERS: 800-633-8253

#### 2 HAZARDS IDENTIFICATION

##### Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):  
Health, Reproductive toxicity, 2

##### GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



##### GHS Hazard Statements:

H361 - Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

##### GHS Precautionary Statements:

No GHS precautionary statements indicated

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
7732-18-5	99.4508%	Water
1303-96-4	0.476%	Sodium Borate, Decahydrate
1310-73-2	0.0732%	Sodium hydroxide
3486-30-4	0.00002%	Patent Blue A

#### 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:**

Water cas#:(7732-18-5) [99.4508%]

Personal protective equipment

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min  
Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min  
Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection: No special protective equipment required.

Control of environmental exposure: Prevent product from entering drains.

Water cas#:(7732-18-5) [99.4508%]

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Blue Liquid	<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Molecular Formula:</b>	No data available
<b>Specific Gravity or Density:</b>	No data available	<b>Solubility:</b>	soluble
<b>Viscosity:</b>	No data available	<b>Softening Point:</b>	No data available
<b>Saturated Vapor Concentration:</b>	No data available	<b>Percent Volatile:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Heat Value:</b>	No data available
<b>Flammability:</b>	No data available	<b>Freezing or Melting Point:</b>	No data available
<b>Partition Coefficient:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Vapor Pressure:</b>	The highest known value is 2.3 kPa (Water)	<b>Vapor Density:</b>	No data available
<b>Evaporation Rate:</b>	No data available	<b>Volatile organic compound:</b>	No data available
<b>Molecular weight:</b>	No data available	<b>Bulk Density:</b>	No data available
<b>Decompression Temperature:</b>	No data available	<b>Upper Flammability Limit and Lower Flammability Limit:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid Identification:</b>	Stable at normal conditions

## 11 TOXICOLOGICAL INFORMATION

Water cas#:(7732-18-5) [99.4508%]

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.

## 12

### ECOLOGICAL INFORMATION

Water cas#:(7732-18-5) [99.4508%]

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) [99.4508%] TSCA

Borax (B4Na2O7.10H2O) (1303-96-4) [0.476%] MASS, OSHAWAC, PA, TSCA, TXAIR

RQ(1000LBS), Sodium hydroxide (1310-73-2) [0.0732%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Benzenemethanaminium, N-[4-[(2,4-disulfophenyl)[4-[ethyl(phenylmethyl)amino]phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, inner salt, sodium salt (3486-30-4) [0.00002%] TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List

OSHA WAC = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances

**16**

**OTHER INFORMATION**

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Revision Date: 4/19/2019