

1. Product and Supplier Information

Product Name(s): Traceable® Buffer Solution pH 7.416
Product Number(s): 4286 and 4285

Date: March 2013

Supplier: Control Company
 Drawer 58307
 Houston, TX 77258

Phone: 281-482-1714
Fax: 281-482-9448
email: sales@control3.com

Product Information: 281-482-1714
Transportation Emergency: 800-424-9300 (Chemtrec)
 International Call 703-527-3887 (collect calls accepted)

2. Composition and Information on Ingredients

CAS #	SARA	Material or Component	%	RQ#	Exposure Limits		
	313				TWA*	STEL*	WEEL*
7558-79-4	No	Disodium hydrogen phosphate	<1	None	NE	NE	NE
7778-77-0	No	Potassium dihydrogen phosphate	<1	None	NE	NE	NE
7732-18-5	No	Water	Remainder	None	NE	NE	NE

No component is listed in "Threshold and Biological Exposure Indices for 2010" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above. NE = Not Established.

*TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level

3. Hazards Identification

OSHA Hazard Classification: WARNING! CAUSES EYE IRRITATION.

Routes of Entry: Ingestion, eye

Chemical Interactions: None known

Medical Conditions Aggravated: None Found

Odor Threshold: No data.

Irritation Threshold: Not established

Hazard Category Classifications and Ratings

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	No	No	SARA 302/311/312/313.
HMIS Hazard Ratings: Health 1 Fire 0 Instability 0 Other B (Glasses, gloves)					
NFPA 704 Hazard Ratings: Not rated					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					
Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers. They are intended and useful only as a rapid approximation of the hazards rated.					

Potential Health Effects

Inhalation: May cause mild irritation to the respiratory tract.

Ingestion: Large doses may cause gastro-intestinal upset.

Skin Contact: May irritate damaged skin.

Eye Contact: Causes irritation, redness, and pain: pH= 10.0

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: Damaged skin.

4. First Aid

Inhalation: Not a likely source of discomfort.

Remove individual to fresh air. If not breathing, give artificial respiration or oxygen as appropriate. Seek medical attention if breathing becomes difficult.

Skin Contact: Flush skin with water for 15 minutes and remove contaminated clothing. Wash clothing before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Never give anything by mouth to an unconscious person.

Material Safety Data Sheet

Page 2 of 3

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5. Fire Fighting Measures

Flammability Summary:

Flammable Properties:

Flash Point: Not flammable

Autoignition Temperature: None

Upper Flammable/Explosive Limit, % in air: None

Lower Flammable/Explosive Limit, % in air: None

Fire/Explosion Hazards Not a hazard.

Extinguishing Media: Use material appropriate to the main source of the fire.

Fire Fighting Instructions: Use material appropriate to the main source of the fire.

Hazardous Combustion Products: None

6. Accidental Release Measures

Personal Protection for Emergency Situations: Contain the release and eliminate its source.

Spill Mitigation Procedures

Air Release: Low vapor pressure makes air release unlikely.

Water Release: This material is soluble in water. Notify all downstream users of possible contamination. Sweep up and containerize for reclamation or disposal. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash with water.

Storage: Keep in a tightly closed container. Protect against physical damage.

8. Exposure Controls and Personal Protection

Ventilation: Use general exhaust ventilation to ensure general worker safety and comfort.

Protective Equipment for Routine Use of Product Where Appropriate:

Respiratory Protection: Not generally required due to low vapor pressure of materials.

Respirator Type(s): Not normally required.

Skin: Not normally required.

Eyes: Use chemical safety goggles.

Protective Clothing Type: Impervious butyl rubber apron, boots or suit, as appropriate.

9. Physical Data

Physical State: Liquid

Color: Water white

Odor: Non descript.

pH (@ 25 Deg. C): 7.000 as made

Octanol/Water Coeff: No data

Solubility in Water: Completely

Bulk Density: Not applicable

Specific Gravity: Approx. 1.0

10. Stability and Reactivity

Stability-Reactivity Summary: Stable under normal conditions.

Reactive Properties:

Sensitivity to mechanical shock: None

Hazardous Polymerization: Will not occur

Conditions to Avoid: Exposure to moist air: hygroscopic.

Chemical Incompatibility: Acids will neutralize the alkalinity and may generate carbon dioxide.

Incompatible materials: Compatible with standard metals of construction.

Hazardous Decomposition Products: CO2 expelled when heated.

Decomposition Temperature: No data

Material Safety Data Sheet

Page 3 of 3

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11. Toxicological Information

Component Animal Toxicology

Oral LD50 value mg/kg:

CAS #7558-79-4

17 gm/kg (rat)

CAS #7778-77-0

No data

Dermal:

Irritation: 500 mg/24 hr, mild

L/D50: >4640 mg/kg

Epidemiology: No information found

---NTP Carcinogen---

Ingredient

Known

Anticipated

IARC Category

Sodium Phosphate, Dibasic CAS #7558-79-4

No

No

None

Potassium Phosphate Monobasic CAS #7778-77-0

No

No

None

12. Ecological Information

Ecological Toxicity Values:

Environmental fate: No data.

Environmental Toxicity: This material is not expected to be toxic to aquatic life.

13. Disposal Considerations

No data provided.

14. Transportation Information

No data provided.

15. Regulatory Information

No data provided.

16. Additional Information

THE PURPOSE OF THIS MSDS IS TO PROVIDE SAFE HANDLING INFORMATION FOR USERS OF THE PRODUCT.

IT IS NOT INTENDED TO, NOR DOES IT, PROVIDE COMPLETE OR EXTENSIVE TRANSPORTATION, DISPOSAL, REGULATORY OR TOXICOLOGICAL DATA ON THE PRODUCT OR ITS COMPONENTS. USERS WHO REQUIRE THIS INFORMATION ARE REFERRED TO RELEVANT LOCAL, STATE AND FEDERAL REGULATIONS FOR THE INGREDIENTS OF INTEREST.

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