

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Initial preparation date: : 12.27.2014**Hardness Buffer Powder****SECTION 1: Identification of the substance/mixture and of the supplier****Product name:** Hardness Buffer Powder**Manufacturer/Supplier Article number:** HA7920SS**Recommended uses of the product and restrictions on use:** Laboratory**Manufacturer Details:**

AquaPhoenix Scientific, Inc.
 860 Gitts Run Road
 Hanover, PA 17331
 1-717-632-1291

Emergency telephone number:**ChemTel: (24-hour)**

+1(800)255-3924

+1(813)248-0585 (International)

SECTION 2: Hazards identification**Classification of the substance or mixture:****Health hazard**

Reproductive toxicity, category 1B

Reproductive toxicity category 1B.

Signal word: Danger**Hazard statements:**

May be harmful if swallowed and enters airways.

Causes skin irritation.

Precautionary statements:

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

Store in a dry place.

Dispose of contents and container as instructed in Section 13.

Other Non-GHS Classification: None**SECTION 3: Composition/information on ingredients****Ingredients:**

Ingredients:		
CAS 1303-96-4	Sodium borate decahydrate	98 %
CAS 1313-84-4	Sodium Sulfide,Nonahydrate	2 %

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Percentages are by weight

SECTION 4: First aid measures**Description of first aid measures****After inhalation:**

If inhaled, move person to fresh air. If not breathing, give artificial respiration. Seek medical assistance.

After skin contact: None**After eye contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After swallowing: None**Most important symptoms and effects, both acute and delayed:** None**Indication of any immediate medical attention and special treatment needed:** None**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing agents:** None**Unsuitable extinguishing agents:** None**Special hazards arising from the substance or mixture:** None**Advice for firefighters:****Protective equipment:** None**Additional information (precautions):** None**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures:** None**Environmental precautions:** None**Methods and material for containment and cleaning up:** None**Reference to other sections:** None**SECTION 7: Handling and storage****Precautions for safe handling:** None**Conditions for safe storage, including any incompatibilities:** None**SECTION 8: Exposure controls/personal protection****Control parameters:** 1303-96-4, Disodium tetraborate decahydrate, ACGIH TLV: 2 mg/m³, OSHA PEL: 10 mg/m³.**Appropriate engineering controls:** None**Respiratory protection:** None**Protection of skin:** None**Eye protection:** None**General hygienic measures:** None**SECTION 9: Physical and chemical properties**

Appearance (physical state, color):		Explosion limit lower:	
		Explosion limit upper:	
Odor:		Vapor pressure at 20°C:	
Odor threshold:		Vapor density:	

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pH-value:		Relative density:	
Melting/Freezing point:		Solubilities:	None
Boiling point/Boiling range:		Partition coefficient (n-octanol/water):	
Flash point (closed cup):		Auto/Self-ignition temperature:	
Evaporation rate:		Decomposition temperature:	
Flammability (solid, gaseous):		Viscosity:	a. Kinematic: b. Dynamic:
Density at 20°C:			

SECTION 10: Stability and reactivity**Reactivity:** None**Chemical stability:** None**Possible hazardous reactions:** None**Conditions to avoid:** None**Incompatible materials:** None**Hazardous decomposition products:** None**SECTION 11: Toxicological information****Acute Toxicity:****Dermal:**

LD50 Rabbit 10,000 mg/kg.

Chronic Toxicity: No additional information.**Skin corrosion/irritation:** No additional information.**Serious eye damage/irritation:** No additional information.**Respiratory or skin sensitization:** No additional information.**Carcinogenicity:** No additional information.**Germ cell mutagenicity:** No additional information.**Reproductive Toxicity:**

Presumed human reproductive toxicant.

STOT-single and repeated exposure: No additional information.**Additional toxicological information:**

No additional information.

SECTION 12: Ecological information**Ecotoxicity:**

Fish., LC50 - Carassius auratus (goldfish) - 178 mg/l - 72 h.

Invertebrates, EC50 - Daphnia magna (Water flea) - 1,085 - 1,402 mg/l - 48 h.

Algae, IC50 - Desmodesmus subspicatus (green algae) - 158 mg/l - 96 h.

Persistence and degradability: No additional information.**Bioaccumulative potential:** No additional information.**Mobility in soil:** No additional information.

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None

SECTION 14: Transport information**US DOT****UN Number:**

ADR, ADN, DOT, IMDG, IATA

Not Regulated

Limited Quantity Exception:

None

Bulk:**RQ (if applicable):** None**Proper shipping Name:** Not Regulated.**Hazard Class:** None**Packing Group:** Not Regulated.**Marine Pollutant (if applicable):** No**Comments:** None**Non Bulk:****RQ (if applicable):** None**Proper shipping Name:** Not Regulated.**Hazard Class:** None**Packing Group:** Not Regulated.**Marine Pollutant (if applicable):** No**Comments:** None**SECTION 15: Regulatory information****United States (USA)****SARA Section 311/312 (Specific toxic chemical listings):**

None of the ingredients are listed.

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act) :

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients are listed.

Proposition 65 (California):**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

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None of the ingredients are listed.

Canada**Canadian Domestic Substances List (DSL) :**

All ingredients are listed.

SECTION 16: Other information

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0**HMIS:** 2-0-0**GHS Full Text Phrases:** None**Abbreviations and Acronyms:** None