



# Safety Data Sheet

## 100mM Phosphate Buffer pH 6.0

### Section 1. Identification

Product Identifier 100mM Phosphate Buffer pH 6.0  
Synonyms N/A  
Manufacturer Stock Numbers SPHPHO6001-10

Recommended use N/A  
Uses advised against N/A

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### Section 2. Hazards Identification

Classification N/A  
Signal Word Warning  
Pictogram



Hazard Statements Causes serious eye damage  
Harmful if inhaled  
Harmful if swallowed  
Harmful in contact with skin

Precautionary Statements

Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Prevention	IF SWALLOWED: Call a poison center or doctor if you feel unwell
Storage	N/A
Disposal	N/A
General	If medical advice is needed, have product container or label at hand Read label before use
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Additional Information	May cause irritation to the eyes, skin and respiratory tract.

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
	Sodium dihydrogen phosphate hydrate	Unknown
	disodium hydrogen phosphate	Unknown

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Eye	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	Get medical attention
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

### Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Not considered to be an explosive hazard Water spray, foam, carbon dioxide, dry chemical As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Hazardous decomposition products formed under fire conditions: Oxides of phosphorus, Sodium oxides
Unsuitable Extinguishing Media	N/A

## Section 6. Accidental Release Measures

Spill.	Evacuate spill area of non-essential personnel. Ventilate the spill area. Avoid breathing vapor. Wear appropriate personal protective equipment.
General Procedure	Absorb spill material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.
Special Protective Equipment	Wear appropriate personal protective equipment as specified in section 8.

## Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin, and clothing. Avoid breathing (dust, vapor, mist, gas).
Storage	Keep in tightly closed container, store in cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids). Observe all warnings and precautions listed for the product.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Sodium dihydrogen phosphate hydrate	N/A	N/A	N/A
	disodium hydrogen phosphate	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.			
Eye and Face	Use chemical goggles			
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact			
Respiratory	Local exhaust required. Explosion-proof mechanical ventilation required. If exposure exceeds TVL, use appropriate NIOSH approved respiratory protection.			
Work Hygienic Practices	General industrial hygiene practice			
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.			

## Section 9. Physical and Chemical Properties

Physical State	Powder
Color	NA
Odor	NA
Odor Threshold	N/A
Solubility	N/A
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
Ph	6.0 / 100mM
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

## Section 10. Stability and Reactivity

Stability	(Under Normal Conditions) Stable under ordinary conditions of use and storage
Polymerization	Has not been reported.
Incompatible Materials	Oxidizing agents, alkali and acids
Additional Information	Incompatible Materials: Copper
	Hazardous Decomposition: Under fire conditions - oxides of phosphorus and sodium.

## Section 11. Toxicological Information

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.  NTP: 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 NTP.  OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
Comments	No toxicity information available
Additional Information	May be harmful on contact with eyes, skin, respiratory tract and can cause hyperkalemia, nausea, vomiting, abdominal pain, diarrhea, constipation, paresthesia, thirst, dizziness, rash, pruritus, weakness, muscle cramps, minor psychiatric changes, minor visual changes.

## Section 12. Ecological Information

Environmental Data	No information available
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## Section 13. Disposal

Method	Incinerate. Follow all federal, state and local regulations
Empty Container	Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.
Comments	It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult with their waste broker and state and local hazardous waste regulations to insure complete and accurate classification. Although not listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

## Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	N/A
DOT Classification	N/A
Packing Group	N/A
Transport	Not Dangerous Goods

## Section 15. Regulatory Information

No Data Available

## Section 16. Other Information

Revision Date

2/18/2016

Manufacturer Disclaimer

The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer Supplemental Notes

All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Statement

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