



HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	0

Phosphate Buffered Saline (PBS), USP Grade Solution

1L
20L
200L

Section 1: Product and Company Identification	
<p>Product Name: Phosphate Buffered Saline (PBS), Solution</p> <p>Catalog Number: BSS-PBS</p> <p>Recommended Use: For research use only</p> <p>Restrictions of Use: Intended for further manufacturing applications or laboratory use only. Not intended for direct parenteral administration or where prohibited by law.</p>	<p>Company: Rocky Mountain Biologicals 8095 S. Welby Park Drive West Jordan, UT 84088</p> <p>Telephone: 866-733-9859 Emergency Telephone: 866-733-9859</p>

Section 2: Hazard Identification
<p>Hazard Classification: Not a hazardous substance or mixture</p> <p>Signal Word: Non hazardous</p> <p>Hazard statements: None</p> <p>Precautionary statements: Not a hazardous substance or mixture</p>

Section 3: Composition/ Information on Ingredients			
Product Name	CAS #	EC #	% By Weight
Water for Injection	7732-18-5	231-791-2	99.01%
Potassium Phosphate monobasic (KH ₂ PO ₄)	7778-77-0	231-913-4	0.02%
Sodium Chloride	7647-14-5	231-598-3	0.90%
Sodium Phosphate dibasic (Na ₂ HPO ₄ ·7H ₂ O)	7758-11-4	231-834-5	0.07%

Section 4: First Aid Measures

Eye Contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lenses if available to do so. Seek medical attention if irritation or discomfort persists.

Skin Contact: Rinse with plenty of water. Seek medical attention if irritation or discomfort persists.

Inhalation: Move exposed individual to fresh air. Seek medical advice if discomfort or irritation persists. If breathing is difficult, give oxygen.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Seek medical attention if irritation, discomfort or vomiting persists.

Symptoms and Effects, both Acute and Delayed: No known effects under normal use conditions.

Section 5: Fire Fighting Measures

Flammability of the Product: Non-flammable

Auto-Ignition Temperature: Not applicable

Flash Points: Not applicable

Flammable Limits: Not applicable

Products of Combustion: Not applicable

Fire Hazards in Presence of Various Substances: Not applicable

Explosion Hazards in Presence of Various Substances: Not applicable

Fire Fighting Media and Instructions: Use NIOSH approved respiratory protection/ breathing apparatus

Special Remarks on Fire Hazards: Not available

Special Remarks on Explosion Hazards: Not available

Suitable extinguishing media: Water spray. Carbon dioxide (CO₂). Foam Dry chemical.

Section 6: Accidental Release Measures

Small Spill Cleanup: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill Cleanup: Absorb with an inert dry material and place the spilled material in an appropriate waste disposal container. Prevent from reaching drains, sewer or waterway.

Section 7: Handling and Storage

Handling: Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage: Storage Temperature 15-30°C, Keep lid tight. Keep in a dry, cool and well-ventilated place.

Section 8: Exposure Controls/ Personal Protection

Exposure Limit Values: Not available

Exposure Controls:

Product related measures to prevent exposure: Observe the expiry date

Personal Protective Equipment:

Respiratory Protection: No personal respiratory protective equipment is required.

Hand Protection: Impermeable and resistant gloves

Eye Protection: Safety glasses

Protective Clothing: Lab coat

Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of use or handling.

Section 9: Physical and Chemical Properties

Physical State and Appearance: Liquid

Odor: Odorless

Taste: Not available

Molecular Weight: Not available

Color: Colorless

pH: 7.2

Boiling Point: Not available

Melting Point: Not available

Freezing Point: Not available

Critical Temperature: Not available

Specific Gravity: 1

Vapor Pressure: Not available

Vapor Density: >1

Volatility: Not available

Odor Threshold: Not available

Water/Oil Distribution Coefficient: Not available

Ionicity (in Water): Not available

Dispersion Properties: Not applicable

Solubility: Soluble in water

Section 10: Stability and Reactivity

Stability: Stable if used and stored according to specifications

Instability Temperature: Not available

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with Various Substances: Not available

Corrosivity: Not available

Special Remarks on Reactivity: Not available

Special Remarks on Corrosivity: Not available

Polymerization: Not available

Section 11: Toxicological Information

Principle Routes of Exposure/Potential Health Effects

Eyes: May cause eye irritation with susceptible persons.

Skin: May cause skin irritation with susceptible persons.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed.

Carcinogenic effects: None

Mutagenic effects: None

Reproductive toxicity: None

Sensitization: None

Target Organ Effects: No known effects under normal use conditions.

Section 12: Ecological Information

Ecotoxicity effects: No information available.

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulative Potential: Does not bioaccumulate.

Overall Evaluation: On the basis of existing data about the elimination/ degradation and bioaccumulation, potential longer term damage to the environment is unlikely.

BOD5 and COD: Not available

Section 13: Disposal Considerations

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all materials according to applicable regulatory entities. Neutralize with dilute acid solutions.

Section 14: Transportation Information

UN- Number: Not regulated
UN proper shipping name: Not regulated
Transport hazard class: Not regulated
Packaging Group: Not regulated

Section 15: Regulatory Information

U.S. Federal Regulations:

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

U.S. State Regulations:

California Proposition 65: This product does not contain chemicals listed under Proposition 65.

Other Classifications:

WHMIS (Canada): Not controlled

Section 16: Other Information

The above information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

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