

Classic Balanced Salt Solution – PBS1X

1. Identification of Substance/Preparation of the Company

Product name: PBS 1X with Calcium and Magnesium

Cat. No.: PBS1X-500, 1000

Product use: This classic formulation is a balanced phosphate-buffered salt solution with Ca & Mg for cell handling and washing during cell culture. No Phenol Red. No Protein.

Manufacturer: CaseBioscience, Inc.

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Guelph, ON, Canada

www.CaseBioscience.com

2. Hazard Identification

This product has been evaluated in accordance with 40 CFR Part 372 and has been found to not contain any chemical components with CAS numbers that exceed reportable levels.

3. Composition/Information on Ingredients

Component	CAS #	Approx. %
Calcium Chloride Dihydrate ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$)	10035-04-8	0.0133
Magnesium Chloride Hexahydrate ($\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$)	7791-18-6	0.01
Potassium Chloride (KCl)	7447-40-7	0.02
Potassium Dihydrogen Phosphate (KH_2PO_4)	7778-77-0	0.02
Sodium Chloride (NaCl)	7647-14-5	0.8
Di-sodium Hydrogen Phosphate (Na_2HPO_4)	7558-79-4	0.115

No other components require disclosure according to the applicable regulations.

4. First-Aid Measures

Inhalation: Not a likely source of exposure.

Ingestion: Wash out mouth with water. If swallowed consult a physician.

Skin: Wash with soap and water after each contact.

Eyes: Flush with copious amounts of water. Assure adequate flushing by separating the eyelids with fingers. If irritation develops, consult a physician.

5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Extinguishing media: Dry chemical, foam, carbon dioxide or water spray.

6. Accidental Release Measures

Absorb on suitable absorbent, such as paper tissue.

7. Handling and Storage

Store in original container at 15-30°C (ambient temperature), protected from light. Do not freeze prior to use.

8. Exposure Controls/Personal Protection

Avoid contact with skin and eyes. Wash thoroughly after handling.

9. Physiological and Chemical Properties

Appearance:	A clear liquid
Odour:	No data available
Boiling point:	No data available
Vapour Pressure:	No data available
Specific Gravity:	No data available
Vapour Density:	No data available
Melting Point:	No data available
Solubility H₂O:	Soluble
Evaporation Rate:	No data available
Flash Point:	No data available

10. Stability and Reactivity

Stability:	Stable under ambient conditions
Conditions to avoid:	None known
Hazardous Decomposition or by-products:	None known
Hazardous polymerization:	Not expected to occur

11. Toxicological Information

No information available to indicate toxicity.

12. Ecological Information

No known ecological damage.

13. Disposal Considerations

Dispose of contents/container in accordance with local, regional, national, and international regulations.

14. Transportation Information

Classified as non-hazardous for transport.

15. Regulatory Information

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16. Other Information

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must take independent determinations of the suitability and completeness of information from all other sources to assure proper use and disposal of these materials and the safety and health of employees and customers. CaseBioscience® shall not be held liable for any damage resulting from handling or from contact with its products.