

PHOSPHATE WW (MgCl₂) BUFFER

SUBSTANCE IDENTIFICATION

Product Name: Phosphate W W (MgCl₂) Buffer, 90 ml and 99 ml

Finished Material Provider: Edge Biologicals, Inc.
598 N. Second Street
Memphis, TN 38105
901-523-0034

Emergency information: Contact Quality Control, Edge Biologicals at 901-523-0034

COMPOSITION (g/L)

Monopotassium phosphate	34g
Deionized Water	500 ml
1 N Sodium Hydroxide	to pH 7.2
QS to 1000 ml DI Water	

Magnesium chloride hexahydrate	81.1 g
DI Water	1000 ml

Add 1.25 ml of first solution and 5 ml of second solution to 993.75 ml Deionized water for final solution. Sterilize with either steam or gamma Irradiation.

HAZARDS IDENTIFICATION

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200.

NFPA ratings: Health=0
Fire= 0
Reactivity= 0

FIRST AID MEASURES

General information: No special measures required.

After inhalation: Seek medical attention in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Consult physician if symptoms persist.

FIRE FIGHTING MEASURES

Suitable Extinguishing Agents: Product is Non flammable (liquid solutions)

Protective equipment: No special measures required.

ACCIDENTAL RELEASE MEASURES

Person related safety precautions: Wear gloves and safety goggles.

Environmental measures: Dilute with plenty of water.

Cleaning/collecting: Absorb with liquid binding materials

Additional information: No dangerous substances released

HANDLING and STORAGE

Safe-handling: No special measures required.

Storage: Store in a cool location (8-25°C)

EXPOSURE CONTROLS

Limit Values: Product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

PHYSICAL and CHEMICAL PROPERTIES

Form: Liquid

Color: Clear

Odor: None

Melting point: Not determined

Flash Point: Not applicable

Danger of Explosion: Not a hazard

Solubility in Water: Soluble

pH at 25°C: 7.2 ± 0.2

PHOSPHATE WW (MgCl₂) BUFFER

STABILITY and REACTIVITY

Dangerous Reactions: No known dangerous reactions

Dangerous Products of Decomposition: No known dangerous products of decomposition

TOXICOLOGICAL INFORMATION

The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us by Amresco Chemicals (supplier of raw materials).

ECOLOGICAL INFORMATION

No ecological effects have been identified. Generally, not hazardous for water.

DISPOSAL

Adhere to specific state and federal regulations. Small quantities can be disposed of with solid waste. If product is contaminated with microorganisms, it should be sterilized before disposal.

TRANSPORTATION

Not hazardous and requires no special packaging or handling.

REGULATIONS

Product related hazard: The ingredients in this medium should pose no health risk when the product is used with safe laboratory practices such as aseptic technique; guarding against aerosol production; and proper storage, handling, and disposal of any bio-hazardous materials (such as used media).

OTHER INFORMATION

To the best of our knowledge the information contained in this document is accurate; however, the end user should determine the suitability of this product for the intended use. The ingredients in this medium should pose no health risk when the product is used with safe laboratory practices such as aseptic technique; guarding against aerosol production; and proper storage, handling, and disposal of any bio-hazardous materials (such as used media).