

1. Identification

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|---|--|--|
| Product identifier | PET Buffer | |
| Other means of identification | | |
| Product code | 822 R2; 860 R2 | |
| Synonyms | Bottle of PET Buffer (Phosphate, EDTA, Tween 20); PET buffer | |
| Recommended use | Assorted. | |
| Recommended restrictions | Use in accordance with supplier's recommendations. | |
| Manufacturer/Importer/Supplier/Distributor information | | |
| Corporate Headquarters | BioMedica Diagnostics Inc. 94 Wentworth Road, PO Box 1030 Windsor, Nova Scotia CANADA B0N 2T0 | |
| 7 cbfUWidYfgcb | Corporate Phone: 1-902-798-5105 Corporate Fax: 1-902-798-1025 Email: info@biomedicadiagnostics.com Website: www.biomedicadiagnostics.com | |
| 9 a Yf[YbWniHY Yd\ cbY Bi a VYfg | US, Canada, Puerto Rico & Virgin Islands 1-800-255-3924 International +1-813-248-0585 Australia 1-300-954-583 Brazil 0-800-591-6042 China 400-120-0751 India 000-800-100-4086 Mexico 01-800-099-0731 | |
| 7 cbfUWibi a VYf | MIS9591327 | |

2. Hazard(s) identification

| | | |
|-----------------------------|-----------------------------------|------------|
| Physical hazards | Not classified. | |
| Health hazards | Serious eye damage/eye irritation | Category 2 |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



| | | |
|--|--|--|
| Signal word | Warning | |
| Hazard statement | Causes serious eye irritation. | |
| Precautionary statement | | |
| Prevention | Wash thoroughly after handling. Wear eye protection/face protection. | |
| Response | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. | |
| Storage | Store away from incompatible materials. | |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. | |
| Hazard(s) not otherwise classified (HNOC) | None known. | |

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|------------------------------------|------------|---------|
| Sodium phosphate dibasic anhydrous | 7558-79-4 | 35 - 45 |
| Sodium chloride | 7647-14-5 | 30 - 40 |

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if any discomfort continues.

Skin contact For skin contact flush with large amounts of water while removing contaminated clothing. Get medical attention if irritation develops and persists.

Eye contact Flush eyes thoroughly with water for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Ingestion Rinse mouth thoroughly if dust is ingested. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed Dust may irritate skin and the respiratory system. Causes severe eye irritation.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical Fire will generate toxic and irritating gases.

Special protective equipment and precautions for firefighters Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up Avoid dust formation. Sweep or scoop up and remove.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid prolonged exposure. Avoid inhalation of dust and contact with skin and eyes. Observe good laboratory hygiene practices.

Conditions for safe storage, including any incompatibilities Store at 2 - 8°C. Store in a closed container away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls No special ventilation requirements.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear dust-resistant safety goggles.

| | |
|---------------------------------------|---|
| Skin protection | |
| Hand protection | It is a good industrial hygiene practice to minimize skin contact. Chemical resistant gloves are recommended. |
| Other | It is a good industrial hygiene practice to minimize skin contact. |
| Respiratory protection | In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

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|---|---------------------------|
| Appearance | White lyophilized powder. |
| Physical state | Solid. |
| Form | Powder. |
| Color | White. |
| Odor | None. |
| Odor threshold | Not applicable. |
| pH | 7.4 If in solution. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Non flammable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Completely Soluble. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not relevant. |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | Not available. |

10. Stability and reactivity

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| Reactivity | The product is stable and non reactive under normal conditions of storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Polymerization will not occur. |
| Conditions to avoid | Keep away from heat. |
| Incompatible materials | Strong oxidizing agents. Strong reducing agents. Strong acids. |
| Hazardous decomposition products | Carbon oxides. Nitrogen oxides. Potassium oxides. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---------------------------------------|
| Inhalation | Dust may irritate respiratory system. |
| Skin contact | Dust may irritate skin. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | May cause discomfort if swallowed. |

Symptoms related to the physical, chemical and toxicological characteristics Dust may irritate skin and the respiratory system. Causes severe eye irritation.

Information on toxicological effects

Acute toxicity May cause discomfort if swallowed.

| Components | Species | Test Results |
|---------------------------------|----------------|---------------------|
| Sodium chloride (CAS 7647-14-5) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | > 10000 mg/kg |
| <i>Oral</i> | | |
| LD50 | Rat | > 3980 mg/kg |
| <i>Other</i> | | |
| LD50 | Mouse | 2602 mg/kg |

Skin corrosion/irritation Dust may irritate skin.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity There is no data to indicate that any component present at greater than 0.1% may present a risk.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not classified.

12. Ecological information

Ecotoxicity

| Components | Species | Test Results |
|--------------------------------------|----------------------------------|---------------------|
| Sodium chloride (CAS 7647-14-5) | | |
| Aquatic | | |
| Crustacea | EC50 Water flea (Daphnia magna) | 874 mg/l, 48 hours |
| Persistence and degradability | No data available. | |
| Bioaccumulative potential | No data available. | |
| Mobility in soil | Not available. | |
| Mobility in general | The product is soluble in water. | |
| Other adverse effects | No data available. | |

13. Disposal considerations

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| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/standard precautions. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose in accordance with all applicable regulations. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium phosphate dibasic anhydrous (CAS 7558-79-4) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Sodium phosphate dibasic anhydrous (CAS 7558-79-4)

US. New Jersey Worker and Community Right-to-Know Act

Sodium phosphate dibasic anhydrous (CAS 7558-79-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium phosphate dibasic anhydrous (CAS 7558-79-4)

US. Rhode Island RTK

Sodium phosphate dibasic anhydrous (CAS 7558-79-4)

US. California Proposition 65

Not Listed.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|----------------------|------------------|
| Issue date | 01-December-2017 |
| Revision date | 17-July-2017 |
| Version # | 02 |

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