

Safety Data Sheet

QuickSilver Phosphate Buffered Saline Powdered Buffer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code: EB1200

Product name: PBS Buffer Powder

Company/undertaking identification

Accuris Life Science Reagents, a division of Benchmark Scientific, Inc.

2600A Main Street Extension

Sayreville, NJ 08572

908 769-5555

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

GHS – Classification

Signal Word: None

Skin Hazard: May cause eye irritation with susceptible persons.

Eye Hazard: May cause eye irritation with susceptible persons.

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

Carcinogenic effects: None.

Mutagenic effects: None.

Reproductive toxicity: None.

Sensitization: None.

Hazard pictograms:

Physical hazards: Not Hazardous

Environmental hazards: Not Hazardous

Prevention

Obtain instructions before use

Wear protective gloves/protective clothing/eye protection/face protection

Storage: Not Applicable

Other hazards: Not Applicable

HMIS

Health: None

Flammability: None

Reactivity: None

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Description of first aid measures

Skin contact: Rinse cautiously with water for several minutes. Immediate medical attention is not required.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if possible.

Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation: Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed: Not Applicable

Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

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

Special hazards arising from the substance or mixture: Not known.

Special protective equipment for firefighters: Standard procedure for chemical fires.

Advice for fire-fighters: Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions,

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Environmental precautions

No special environmental precautions required.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Storage Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits

We are not aware of any national exposure limit.

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	White powder
Odor:	None
Odor Threshold:	Mixture has not been tested
pH:	One pack in 1L water ,25°C,pH 7.4 ±0.1
Melting point / melting range:	Mixture has not been tested
Boiling point / boiling range:	Mixture has not been tested
Flash point:	Mixture has not been tested
Autoignition temperature:	Mixture has not been tested
Decomposition temperature:	Mixture has not been tested
Evaporation rate:	No data available
Flammability (solid, gas):	Not Applicable

Upper explosion limit:	Mixture has not been tested
Lower explosion limit:	Mixture has not been tested
Vapor Pressure:	Mixture has not been tested
Relative density:	Mixture has not been tested
Specific gravity:	No data available
Solubility:	Soluble in water
Partition coefficient:n-octanol/water:	No data available
Viscosity:	Mixture has not been tested
Explosive properties:	Mixture has not been tested
Oxidizing properties:	Mixture has not been tested
Other information:	No data available

SECTION 10: Stability and reactivity

Stability:	Stable under normal conditions.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Conditions to avoid:	No information available.
Incompatible materials:	Oxidizing agents. Acids. Bases. Sulfur trioxide. Iodine.
Hazardous decomposition products:	No data available

SECTION 11: Toxicological information

Acute Toxicity

No toxicology information is available.

Principle Routes of Exposure

Potential Health Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in 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.

SECTION 12: Ecological information

Ecotoxicity Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Mobility	No information available.
Biodegradation	Inherently biodegradable.
Bioaccumulation	Material does not bioaccumulate.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Proper Shipping Name	No dangerous good in sense of these transport regulations
Hazard Class	None
Subsidiary class	None
Packing group	None

UN-No None
Environmental hazards None

SECTION 15: Regulatory information

US 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.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other information

Creation date: April 17, 2019

Last update: April 17, 2019

Reason for revision: N/A

Revision number: 0

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References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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