



# Material Safety Data Sheet

Page 1 of 5

Alere PBP2a Reagent 1

Version No. 5

Date of issue: 20 June 2014

## 1. Identification of the substance/preparation and of the company/undertaking

### Product details

Trade name: **Alere PBP2a Reagent 1**

**Application of the substance / the preparation:** In vitro diagnostic reagent. For professional use only.

### Manufacturer/Supplier:

#### Manufacturer

Alere Scarborough, Inc.,  
10 Southgate Road,  
Scarborough,  
Maine 04074, USA.

Tel: +1 207-730-5750

Fax: + 1 207-730-5717

Email: ts.scr@alere.com

**Further information obtainable from:** www.alere.com

### Information in case of emergency:

Tel: +1 207-730-5750

## 2. Hazards identification

### Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:

Not classified as hazardous.

### Information concerning particular hazards for human and environment:

WARNING: Causes skin and eye irritation.

## 3. Composition/information on ingredients

### Chemical characterization

#### Description:

In vitro diagnostic reagent. Aqueous preparation containing the hazardous components listed below.

#### Dangerous components:

Component	CAS No.	OSHA PEL	ACGIH TLV	Concentration
Sodium Hydroxide	1310-73-2	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	0.5 – 1.0 %

## 4. First-aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### After skin contact:

Immediately wash with soap and water and rinse thoroughly. Remove soiled clothing and clean before re-use. If symptoms persist consult a doctor.

#### After eye contact:

Immediately rinse opened eye for several minutes under running water. Then consult a doctor.

#### After ingestion:

Wash out mouth and then drink plenty of water. Consult a doctor.



# Material Safety Data Sheet

Page 2 of 5

Alere PBP2a Reagent 1

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## 5. Fire-fighting measures

### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire-extinguishing methods suitable to surrounding conditions.

### Special hazards caused by the substance, its products of combustion or resulting gases:

In case of fire, the following can be released: Hazardous vapors.

### Protective equipment:

Wear full protective suit and self-contained respiratory protective device when extinguishing fires.

## 6. Accidental release measures

### Person-related safety precautions:

Isolate spillage and clean up immediately.  
Refer to Section 8 for protective measures when handling the spillage.

### Measures for environmental protection:

Do not allow the undiluted product to enter sewers/surface or ground water.

### Measures for cleaning/collecting:

Absorb with liquid-binding material (paper toweling, sand, diatomite, acid binders, universal binders, sawdust)  
Dispose of contaminated material as waste according to Section 13.  
Rinse off area with water.

## \*7. Handling and storage

### Information for safe handling:

Observe the general safety regulations when handling chemicals.  
Avoid contact with the eyes, skin and mucous membranes.

### Storage:

Store in the original container at 2 to 8°C.

### Requirements to be met by storerooms and receptacles:

No special requirements.

## 8. Exposure controls/personal protection

### Ingredients with limit values that require monitoring in the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

### Additional information:

The lists valid during the creation of this MSDS were used as a basis for this assessment.

### General protective and hygienic measures:

Adhere to good laboratory practices (GLP).  
Wash hands before breaks and at the end of work.

### Personal protective equipment

**Respiratory protection:** Not required unless aerosols generated.

**Protection of hands:** Disposable gloves.

**Material of gloves:** Latex/natural rubber.

**Penetration time of glove material:** Gloves resistance is not critical when the product is handled according to the instructions for use.

**Eye protection:** Safety glasses.

**Body protection:** Lab coat

## 9. Physical and chemical properties

### General Information

**Form:** Liquid

**Color:** Blue

**Odor:** Odorless

### Change in condition

**Melting point/Melting range:** Similar to water, approximately 0°C.

**Boiling point/Boiling range:** Similar to water, approximately 100°C.

**Flash point:** Not applicable.

**Self-igniting:** Product is not self-igniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Vapor pressure:** Similar to water, approximately 23 hPa.

**Density at 20°C:** approximately 1.0 g/cm<sup>3</sup>

### Solubility in/Miscibility with:

**Water:** Fully miscible.

**pH-value at 20°C:** > 12

## 10. Stability and reactivity

**Stability:** The product is stable in accordance with the recommended storage conditions.

**Materials to be avoided:** None.

**Hazardous reactions:** No hazardous reactions known. Hazardous polymerization will not occur.

**Hazardous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

### Acute toxicity:

Quantitative data on the toxic effects of this product is not available.

### Primary effects

**After skin contact:** Irritating effect.

**After eye contact:** Irritating effect.

**After ingestion:** Irritation of the membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

**Sensitization:** No sensitizing effects known.

## 12. Ecological information

### Ecotoxic Effects:

Quantitative data on the toxic effects of this product are not available.

No ecological problems are to be expected when the product is handled and used with due care and attention.

### Aquatic toxicity:

Possible harmful effect due to pH shift.

## 13. Disposal considerations

**Product:**

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with applicable federal, state and local regulations. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

**Packaging:**

Dispose in accordance with federal, state, and local waste management regulations.  
Contaminated packaging must be disposed of in the same manner as the product.  
Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

## 14. Transport information

**US DOT Transport Regulations:****Class:** 8.**UN-Number:** 3266**Packaging group:** III**Hazard label** 8**Description of goods:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide)**Maritime transport IMDG:****IMDG Class:** 8**UN Number:** 3266**Label** 8**Packaging group:** III**EMS Number:** F-A, S-B**Marine pollutant:** No**Proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide)**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** 8**UN/ID Number:** 3266**Packaging group:** III**Proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide)



# Material Safety Data Sheet

Page 5 of 5

Alere PBP2a Reagent 1

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## 15. Regulatory information

### US Hazard warnings according to 16 CFR 1600 and ANSI Standard Z129.1:

CAUTION: May cause skin and eye irritation

### Chemical inventory listings relevant to US regulations:

#### Carcinogen listings

IARC: None of the ingredients is listed.  
NTP: None of the ingredients is listed.  
ACGIH: None of the ingredients is listed.  
OSHA: None of the ingredients is listed.  
EPA: None of the ingredients is listed.

#### Californian Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.  
Chemicals known to cause reproductive toxicity: None of the ingredients is listed.

#### SARA

Section 355 (extremely hazardous substances): None of the ingredients is listed.  
Section 313 (specific toxic chemical listings): None of the ingredients is listed.

## 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

### Reason for Update:

Storage temperature, Section 7

\* Indicates altered section.

**Supersedes:** Version 4

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