

# Material Safety Data Sheet



According to REACH Regulation (EC) No. 1907/2006, Annex II

Page 1 of 4

BinaxNOW® PBP2a Reagent 2

Version No. 1

Date of issue: 9 April 2009

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

### Product details

Trade name: **BinaxNOW® PBP2a, Reagent 2**

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

### Manufacturer/Supplier:

#### Manufacturer

Inverness Medical,  
10 Southgate Road,  
Scarborough,  
Maine 04074, USA.

Tel: +1 207-730-5750

Fax: + 1 207-730-5717

Email: [TS.Binax@invmed.com](mailto:TS.Binax@invmed.com)

**Further information obtainable from:** [www.invernessmedicalpd.com](http://www.invernessmedicalpd.com)

### Information in case of emergency:

Tel: +1 207-730-5750

## 2. Hazards identification

### Hazard description:

Xi, Irritant

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

R 36/38 Irritating to eyes and skin.

### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3. Composition/information on ingredients

### Chemical characterisation

#### Description:

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

#### Dangerous components:

Component	CAS No.	EINECS No.	Classification	Concentration
Sodium Hydroxide	1310-73-2	215-185-5	C; R35	0.5 – 1.0 %

#### Additional information:

For the wording of the listed risk phrases refer to section 16.

## 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

## 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 vapours.

### 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 towelling, 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 30°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

# Material Safety Data Sheet

## 9. Physical and chemical properties

### General Information

**Form:** Liquid

**Colour:** Blue

**Odour:** Odourless

### 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.

**Vapour 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 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.

**Sensitisation:** No sensitising 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 anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

### European waste catalogue:

18 01 06 chemicals consisting of or containing dangerous substances.

### Packaging:

Disposal must be made in accordance with 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.

# Material Safety Data Sheet

## 14. Transport information

### Land transport ADR/RID (cross-border)



**ADR/RID class:** 8 Corrosive substances.

**Danger code (Kemler):** 80

**UN-Number:** 3264

**Packaging group:** III

**Hazard label** 8

**Description of goods:** UN3264 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide)

### Maritime transport IMDG:



**IMDG Class:** 8

**UN Number:** 3264

**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:** 3264

**Packaging group:** III

**Proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Contains sodium hydroxide)

## 15. Regulatory information

### Labelling according to EU guidelines

#### Code letter and hazard designation of product:



Xi, Irritant

#### Risk phrases:

36/38 Irritating to eyes and skin.

#### Safety phrases:

2 Keep out of reach of children

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste

**Water Hazard Class (Germany):** WGK – not hazardous for water.

## 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.

#### Relevant R-phrases:

35 Causes severe burns.

**Prepared by:** Dr. J. J. Tobin, ChemHaz Solutions, Email: [info@chemhazsolutions.com](mailto:info@chemhazsolutions.com)