

# MATERIAL SAFETY DATA SHEET

**ABX Pentra Standard 1 - A91A00555-**

**2004/04/08**

## 1. Product and company identification

### 1.1 Identification of the product:

**Product name:** ABX Pentra Standard 1

**Product code:** Ref. ABX ==> A11A01717

### 1.2 Company identification:

**ABX Diagnostics** - rue du Caducée - Parc Euromédecine –  
34184 MONTPELLIER CEDEX 4 – FRANCE

**TEL (33) 4 67 14 15 16 FAX (33) 4 67 14 15 17**

**1.3 Emergency phone number:** Contact the nearest first-aid station

## 2. Composition/information on ingredients

**Chemical nature:** [CAL] : vial of 280 mL (RTU)

**Hazardous ingredients:** NaCl  $\approx$  0.6%

(name, concentration) Boric acid  $\approx$  0.4%

Tris-hydroxymethyl-aminomethane  $\approx$  0.2%

**Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No) :** No

## 3. Hazards identification

**Most important hazards:** The usual precautions taken when handling chemicals should be observed. May cause irritation to the skin or mucous membranes.

**Specific risks:** None.

## 4. First-aid measures

**Inhalation:** Remove the victim from contamination immediately to fresh air and keep him warm and comfortable. In the case of respiratory pause, give exhalation or conduct an artificial respiration. In the case of dyspnea, conduct an inhalation of oxygen. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

**Skin contact:** Take off contaminated clothing, and wash and clean the affected part of body.

**Eye contact:** Immediately rinse the affected eyes with clean running water for 10 – 15 minutes. Get medical aid immediately.

**Ingestion:** Induce vomiting with plenty of warm water or milk. At vomiting, turn victim's head sideways at least to keep his airway open. Get medical aid immediately. If victim is unconscious, keep him at comfortable sideways position to wait and to be carried.

## 5. Fire-fighting measures

**Extinguishing media:** None.

**Specific risks:** Non flammable, special treatment not required.

**Special protective equipment:** N/A.

**Additional recommendations:** N/A.

## 6. Accidental release measures

**Personal precautions:** Wear an appropriate protective clothing while working.

**Environmental precautions:**

**Methods for cleaning / absorption:** Vacuum or sweep up material and place in an empty disposal container.

## 7. Handling and storage

### 7.1 Handling:

**Technical measures:** N/A.

**Precautions:** N/A.

**Handling recommendations:** Avoid contact with skin and eyes. Avoid a long-time or repeated exposure. After work, rinse mouth and wash hands.

### 7.2 Storage:

**Technical measures:** N/A.

**Storage conditions:** Store in a dark place at 5-30°C.

**Incompatible materials:** N/A.

**Packaging materials:** N/A.

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## 8. Exposure controls/personal protection

<b><u>Specific control parameters:</u></b>	Controlled concentration : not established.
<b><u>Technical measures:</u></b>	Not necessary.
<b><u>Respiratory protection:</u></b>	N/A.
<b><u>Hand protection:</u></b>	Wear appropriate protective gloves.
<b><u>Eye protection:</u></b>	Wear protective eye glasses or chemical safety goggles if necessary.
<b><u>Skin protection:</u></b>	Wear protective clothing.
<b><u>Hygiene measures:</u></b>	N/A.

## 9. Physical and chemical properties

<b><u>Physical state:</u></b>	Liquid.	<b><u>Auto-flammability:</u></b>	None.
<b><u>Colour:</u></b>	Colourless.	<b><u>Explosive properties:</u></b>	None.
<b><u>Odour:</u></b>	Odourless.	<b><u>Oxidizing properties:</u></b>	N/D.
<b><u>pH :</u></b>	N/D.	<b><u>Vapour pressure:</u></b>	N/D.
<b><u>Boiling point:</u></b>	Nearly 100°C.	<b><u>Relative density:</u></b>	Nearly 1.
<b><u>Melting point:</u></b>	N/D.	<b><u>Solubility:</u></b>	Miscible in water.
<b><u>Flashing point:</u></b>	None.	<b><u>Partition coefficient:</u></b>	N/D.
<b><u>Flammability (solid, gas) :</u></b>	None.	<b><u>Other data:</u></b>	Volatility : none. Self reactivity : none.

## 10. Stability and reactivity

<b><u>Conditions to avoid:</u></b>	
<b><u>Materials to avoid:</u></b>	
<b><u>Hazardous decomposition products:</u></b>	
<b><u>Other data:</u></b>	Stable at the normal temperature in a tightly closed container.

## 11. Toxicological information

<b><u>Acute toxicity:</u></b>	LD50 <sub>Oral</sub> mouse : 4000 mg/kg (at 100% NaCl) LD50 <sub>Oral</sub> mouse : 5.5 g/kg (at 100% Tris-hydroxymethyl-aminomethane) LD50 <sub>Oral</sub> mouse : 2260 mg/kg (at 100% boric acid) Semi-acute toxicity: Not detected.
<b><u>Chronic toxicity:</u></b> (sensitization, carcinogenicity, mutagenicity, teratogenicity, etc)	Not detected
<b><u>Inhalation:</u></b>	N/A.
<b><u>Skin contact:</u></b>	Skin contact for a long time may cause irritation.
<b><u>Eye contact:</u></b>	N/A.
<b><u>Ingestion:</u></b>	N/A.
<b><u>Other data:</u></b>	Deforming factor : Not detected. Sensitisation : Not detected.

## 12. Ecological information

<b><u>Mobility:</u></b>	N/A.
<b><u>Degradability:</u></b>	Not detected.
<b><u>Bioaccumulative potential:</u></b>	Not detected.
<b><u>Ecotoxicity:</u></b>	Fish toxicity: LD0: 10,000 ppm (at 100% Tris-hydroxymethyl-aminomethane)
<b><u>Other hazardous effects:</u></b>	See §13.

## 13. Disposal considerations

<b><u>Surplus or waste (residues):</u></b>	Used reagents must be disposed off in accordance with local, national and federal regulations.
<b><u>Contaminated packaging:</u></b>	

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## **14. Transport information** (International regulations)

<b><u>By land:</u></b>	N/A.
<b><u>By river:</u></b>	N/A.
<b><u>By air:</u></b>	N/A.
<b><u>By sea:</u></b>	N/A.
<b><u>General information:</u></b>	<b>Not classified by transport regulations.</b>

## **15. Regulatory information**

### **Labelling according to EEC directives**

<b><u>Symbols:</u></b>	None.
<b><u>R phrases:</u></b>	None.
<b><u>S phrases:</u></b>	None.
<b><u>Substances:</u></b>	None.
<b><u>Other regulatory requirements:</u></b>	None.

In no way does this information exempt the user from knowing about or applying all the national or international regulations relating to his/her activity.

## **16. Other information**

This product is intended for IN VITRO diagnostic use only.

NOT FOR USE IN HUMANS.

This sheet is a complement to instructions for use but does not replace them. Information contained herewith is based on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge.

Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use.

The user must accept the sole responsibility and take precautions accordingly for the use of this product.