

ABX Pentra Etching CP	A91A00549BEN	14/06/2005
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1. Product and company identification

1.1. Identification of the product

Product name:	ABX Pentra Etching CP
Product code:	Ref.ABX: A11A01769

1.2. Company identification

	HORIBA ABX - Rue du Caducée - Parc Euromédecine 34184 MONTPELLIER CEDEX 4 - FRANCE Tel: (33) 4 67 14 15 16 Fax: (33) 4 67 14 15 17
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1.3. Emergency phone number

	Contact the nearest first-aid station
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2. Composition/information on ingredients

2.1. Description of the kit

	REAGENT : 25 ml : diluted saline solution containing an ammonium fluoride and fluoric acid mixture.
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2.2. Hazardous ingredients (name, concentration)

	Ammonium fluoride solution (Symbol: Toxic, R Phrases : 23/24/25, 34)	0.42%
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2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No

3. Hazards identification

Most important hazards:	None.
Specific risks	None.

4. First-aid-measures

Inhalation:	Not determined.
Skin contact:	Wash skin with plenty of water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Get medical attention.

5. Fire-fighting measures : Non flammable

Extinguishing media:	No special requirements.
Specific risks:	None.
Special protective equipment:	No special requirements.
Additional recommendations:	None.

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6. Accidental release measures

Personal precautions:	Wear safety goggles and protective gloves.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Wash spill site with great amounts of water.

7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Wear a lab coat, protective gloves and safety goggles.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store in its original container, tightly closed, between 15-25°C.
Incompatible materials:	Not determined.
Packaging materials:	No special requirements.

8. Exposure controls/personal protection

Specific control parameters:	None determined.
Technical measures:	Use general room ventilation.
Respiratory protection:	Not determined.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use.

9. Physical and chemical properties

Physical state:	Liquid	Autoflammability:	Not determined
Colour:	Colourless	Explosive properties:	Not determined
Odour:	Not determined	Oxidizing properties:	Not determined
pH:	Not determined	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Not determined
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	Not determined

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10. Stability and reactivity : Stable

Conditions to avoid:	Humidity.
Materials to avoid:	Not determined.
Hazardous decomposition products:	None.
Other data:	None.

11. Toxicological information

Acute toxicity:	Not determined.
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined..
Other data:	Not determined.

12. Ecological information

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
Other hazardous effects:	Not determined.

13. Disposal considerations

Surplus or waste (residues):	This product must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Packaging must be disposed of according to local regulations.

14. Transport information (International regulations)

General information:	[REAGENT] :	
	<ul style="list-style-type: none"> ◆ Proper shipping name: Toxic liquid, inorganic, n.o.s. ◆ UN-Number: UN3287 (Excepted quantities). ◆ Hazard class: 6.1 ◆ Label(s): Toxic. ◆ Unit volume: 25 ml. ◆ Sales unit: 1 bottle/kit. 	
By air (IATA):	Packaging group: III.	Packing instructions (passenger aircraft): 611 (60L).
By land (ADR):	Refer to regulation.	
By sea (IMDG):	Refer to regulation.	

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15. Regulatory information		
Symbols:	None	
R phrases:	None	
S phrases:	None	
Substances:		
Other regulatory requirements:	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
<p>This sheet is a complement to instructions for use but does not replace them. Information contained herewith is base on our current knowledge of the product, at the date shown, and is correct to the best of our knowledge.</p> <p>Furthermore, the user's attention is drawn to the dangers of using this product for anything other than its intended use.</p> <p>The user must accept the sole responsibility and take precautions accordingly for the use of this product.</p>