

ABX Pentra Creatinine 120 CP	A91A00746AEN	Revision 29/11/2010
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra Creatinine 120 CP
Product code:	Ref. HORIBA Medical: A11A01933
1.2. Use of the product	
Diagnostic reagent for quantitative in-vitro determination of Creatinine in serum or urine by colorimetry.	
1.3. Company identification	
	HORIBA ABX SAS Parc Euromédecine - Rue du Caducée BP 7290 34184 MONTPELLIER CEDEX 4 FRANCE Tel: + 33 (0) 4 67 14 15 16 Fax: + 33 (0) 4 67 14 15 17 Email: documentation.med@horiba.com
1.4. Emergency phone number	
Company:	+ 800 67 14 15 16
French official advisory body:	ORFILA (INRS): + 33 (0) 1 45 42 59 59

2. Hazards identification		
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): Yes		
Most important hazards: REAGENT 1 :	Xi: R36/38: Health hazards: Precautionary statements:	Irritant Irritating to eyes and skin. Irritating to eyes and skin. Prolonged exposure may cause chronic effects. CAUTION! The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. Irritating to eyes and skin. Avoid contact with eyes and skin. Do not ingest or inhale.
REAGENT 2 :	Precautionary statements:	The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. This preparation is acidic and may be irritating to eyes and skin. Avoid contact with eyes and skin. Do not ingest or inhale.
Specific risks: REAGENT 1 :	Inhalation: Eyes: Skin:	No data available. Inhalation may be irritating to the nasal passages and throat. Eye exposure may cause irritation, redness, watering and pain. Skin contact may cause irritation, redness and discomfort.
REAGENT 2 :	Eyes: Skin:	No data available. Eye exposure may cause irritation. No data available. Skin contact may cause irritation, redness and discomfort.

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3. Composition/information on ingredients

3.1. Description of the kit

	REAGENT : Bi-reagent cassette REAGENT 1 : 1 x 27.5 mL REAGENT 2 : 1 x 8 mL
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3.2. Hazardous ingredients (name, concentration)

CAS No.	EC No. (EINECS/ELINCS/NLP)	Name	Concentration	Symbol	Risk	REACH No.
1310-73-2	215-185-5 (EINECS)	REAGENT 1 : Sodium hydroxide	0.1% < C < 1%	C	R35	

4. First-aid-measures

Inhalation:	If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.
Skin contact:	In case of contact, immediately flush skin with copious amounts of cool water and remove contaminated clothing. Seek medical attention if needed or if irritation or other symptoms develop.
Eye contact:	Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Seek medical attention if needed or if symptoms, such as redness or irritation persist.
Ingestion:	In case of ingestion, contact a poison control center or physician for instructions.

5. Fire-fighting measures :

Extinguishing media:	Use extinguishing media suitable for the surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.
Specific risks:	Diluted aqueous solution is not considered as a fire hazard.
Special protective equipment:	Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.
Additional recommendations:	None.

6. Accidental release measures

Personal precautions:	Wear Personal Protective Equipment (PPE) as indicated in Section 8. Avoid physical contact with material and avoid aerosol inhalation. Wash hands thoroughly after handling.
Environmental precautions:	REAGENT 1 : Do not dispose down the drain. REAGENT 2 : Do not flush into surface water or sanitary sewer system.
Methods for cleaning/absorption:	Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations.

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7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Minimize contact and contamination of personal clothing and skin. Wash hands thoroughly after handling.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store at 18 to 26°C (64 to 79°F).
Incompatible materials:	Copper.
Packaging materials:	Do not store with incompatible substances. See Section 10.

8. Exposure controls/personal protection

8.1. Exposure limit values

CAS No.	Chemical name	Country	Type	Value	Form
1310-73-2	REAGENT 1 : Sodium hydroxide	Belgium	TWA	2 mg/m ³	Inhalable dust. Inhalable dust. Inhalable dust. Inhalable dust.
		Denmark	TWA	2 mg/m ³	
		France	VME	2 mg/m ³	
		Italy	Ceiling	2 mg/m ³	
		Spain	STEL	2 mg/m ³	
		Sweden	Ceiling	2 mg/m ³	
			TWA	1 mg/m ³	
		Switzerland	STEL	2 mg/m ³	
			TWA	2 mg/m ³	
		United Kingdom	STEL	2 mg/m ³	

8.2. Exposure controls

8.2.1. Occupational exposure controls

Technical measures:	This reagent is not expected to require special ventilation control. Facilities storing or using this preparation should be equipped with an eyewash fountain and a safety shower.
Respiratory protection:	No personal respiratory protective equipment normally required.
Hand protection:	Wear chemical resistant protective gloves.
Eye protection:	Wear appropriate protective chemical safety glasses or goggles.
Skin protection:	Wear appropriate protective clothing, such as a lab coat or other long-sleeved garment over clothing to minimize contact and contamination of clothing.
Hygiene measures:	No special requirements.

8.2.2. Environmental exposure controls

Not available.	
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9. Physical and chemical properties

9.1. General information

Physical state:	REAGENT 1 : Liquid REAGENT 2 : Liquid		
Colour:	REAGENT 1 : Clear, colorless REAGENT 2 : Clear, yellow	Odour:	REAGENT 1 : Not available REAGENT 2 : Not available

9.2. Important health, safety and environmental information

pH:	REAGENT 1 : 13 REAGENT 2 : 2	Relative density:	REAGENT 1 : 1.014 g/cm ³ REAGENT 2 : 1.01 g/cm ³
		Specific gravity:	REAGENT 1 : 1.014
Boiling point:	Not available	Solubility (water):	REAGENT 1 : Not available REAGENT 2 : Water soluble
Flash point:	Not available	Partition coefficient: (n-octanol/water)	Not available
Flammability (solid, gaz):	Not available	Viscosity:	Not available
Explosive properties:	Not available	Vapour density:	Not available
Oxidizing properties:	Not available	Evaporation rate:	Not available

10. Stability and reactivity

Conditions to avoid:	Unknown.
Materials to avoid:	Unknown.
Hazardous decomposition products:	None expected under normal conditions of use.
Other data:	Stable under ordinary conditions of use and storage. See Section 7. Hazardous polymerization will not occur.

11. Toxicological information

Acute toxicity:	No data available.
Chronic toxicity:	No data available.
Inhalation:	Not determined.
Skin contact:	Sodium hydroxyde: Corrosive. Severely irritating.
Eye contact:	Sodium hydroxyde: Corrosive. Severely irritating.
Ingestion:	Not determined.
Other data:	Occupational exposure routes may include eye and skin contact.

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12. Ecological information

12.1. Ecotoxicity:	REAGENT 1: Mixture: EC ₅₀ Daphnia: 4127 mg/L (48 hours estimated) LC ₅₀ Fish: 12626 mg/L (96 hours estimated) Sodium hydroxide: EC ₅₀ Water flea (Ceriodaphnia dubia): 34.59 - 47.13 mg/L (48 hours) LC ₅₀ Western mosquitofish (Gambusia affinis): 125 mg/L (96 hours)
12.2. Mobility:	No data available.
12.3. Degradability:	No data available.
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	No data available.
12.6. Other hazardous effects:	None.

13. Disposal considerations

Surplus or waste (residues) Contaminated packaging	It is advisable to avoid or reduce the generation of waste products wherever possible. Empty containers may contain product residues. Discard all waste, unused products, and contaminated packaging in accordance with current legislation. If you are in any doubt over the regulations, further information can be obtained from the competent authorities.
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14. Transport information (International regulations)

General information:	Label(s): Unit volume: Sales unit:	Corrosive 27.5 mL + 8 mL 1/kit
By air (IATA):	Proper shipping name:	REAGENT 1 : SODIUM HYDROXIDE SOLUTION
	UN-Number:	REAGENT 1 : 1824
	Risk category:	REAGENT 1 : 8
	Packing group:	REAGENT 1 : III
By land (European ADR):	Proper shipping name:	REAGENT 1 : SODIUM HYDROXIDE SOLUTION
	UN-Number:	REAGENT 1 : 1824
	Risk category:	REAGENT 1 : 8
	Packing group:	REAGENT 1 : III
By sea (IMDG):	Proper shipping name:	REAGENT 1 : SODIUM HYDROXIDE SOLUTION
	UN-Number:	REAGENT 1 : 1824
	Risk category:	REAGENT 1 : 8
	Packing group:	REAGENT 1 : III

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15. Regulatory information		
Symbols:	REAGENT 1 : Xi	Irritant
R phrases:	REAGENT 1 : R36/38	Irritating to eyes and skin.
S phrases:	REAGENT 1 : S26 S37/39	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.
Substances:	None	
Specific provisions and related laws:	None	
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	
16.1. List of relevant R phrases	
REAGENT 1 : R35	Causes severe burns.
REAGENT 1 : R36/38	Irritating to eyes and skin.
16.2. Recommended restriction on use	
See specific information given in the product user information.	
16.3. Further information	
<p>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.</p> <p>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.</p>	
16.4. Sources of key data	
This document has been compiled with information extracted from documents given by our raw material suppliers.	
16.5. Revision	
The sections that have been modified from the previous version are indicated by a vertical line on the left side of the table.	