

ABX Pentra Clean-Chem CP	A91A00553BEN	13/06/2005
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Pentra Clean-Chem CP
Product code:	Ref.ABX: A11A01755
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
1.3. Emergency phone number	
	Contact the nearest first-aid station

2. Composition/information on ingredients		
2.1. Description of the kit		
	REAGENT: 30 ml	
2.2. Hazardous ingredients (name, concentration)		
CAS No. 1310-73-2	Sodium hydroxide (Symbol: C, Risk phrase: R35)	< 2%
2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): Yes		

3. Hazards identification	
Most important hazards:	Xi : irritant.
Specific risks	R36/38 S26

4. First-aid-measures	
Inhalation:	Provide fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.
Skin contact:	Remove contaminated clothing. Wash skin with water.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. After flushing, cover the eye with a clean cloth. Call in an ophthalmologist immediately.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Avoid vomiting (risk of perforation). Get medical attention.

FORM-0307-A, revision 5

ABX Pentra Clean-Chem CP	A91A00553BEN	13/06/2005
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5. Fire-fighting measures

Extinguishing media:	Water spray, carbon dioxide, dry chemical powder extinguishing foam.
Specific risks:	None.
Special protective equipment:	Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Additional recommendations:	Suit extinguishing measures to surroundings. Pay attention to the usual fire and explosion hazards.

6. Accidental release measures

Personal precautions:	Avoid substance contact : wear safety goggles and protective gloves. Do not inhale vapours/aerosols. Spilled product may cause slippery surfaces.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Neutralise spill with dilute hydrochloric acid or sulfuric acid, if necessary pick up with harmless organic acid (citric acid) or mixtures of organic acids (e.g. Basosorb, with indicator to show point of neutralization) or with suitable liquid-absorbing material. After removal, flush contaminated area with plenty of water. Remove pollutants with absorbing paper. All the material used for cleaning up must be disposed of as laboratory waste.

7. Handling and storage

7.1. Handling

Technical measures:	Open and handle containers with care.
Precautions:	The usual laboratory precautions should be observed. Avoid every splash and formation of aerosols.
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, in a cool dry place (2-8°C).
Incompatible materials:	Do not use aluminium, tin or zinc containers.
Packaging materials:	No special requirements.

ABX Pentra Clean-Chem CP	A91A00553BEN	13/06/2005
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8. Exposure controls/personal protection

Specific control parameters:	None determined.					
Ingredients subject to exposure guidelines:						
CAS No.	Index No.	Name	%w/w	Type	Value	Unit
1310-73-2	011-002-00-6	Sodium hydroxide	< 2	MAK TLV-C	2 2	mg/m ³ total dust mg/m ³
Technical measures:	Use general room ventilation.					
Respiratory protection:	Required if dust and aerosols are generated.					
Hand protection:	Protective gloves.					
Eye protection:	Safety goggles.					
Skin protection:	Lab coat.					
Hygiene measures:	Wash hands before and after use. Safety shower, eyewash. Change contaminated clothing immediately.					

9. Physical and chemical properties

Physical state:	Liquid	Autoflammability:	Not determined
Colour:	Not determined	Explosive properties:	Not determined
Odour:	Odourless	Oxidizing properties:	Not determined
pH:	Strongly alkaline (pH>13)	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	1.02 g/cm ³ at 20°C
Melting point:	Not determined	Solubility:	Not determined
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	Not determined

10. Stability and reactivity

Conditions to avoid:	Strong heating.
Materials to avoid:	Contact with light metals, ammonium compounds, acids.
Hazardous decomposition products:	Contact with light metals : Hydrogen (risk of explosion). Contact with ammonium compounds : Ammonia.
Other data:	Reacts strongly with acids.

ABX Pentra Clean-Chem CP	A91A00553BEN	13/06/2005
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11. Toxicological information						
Acute toxicity:						
Classification-relevant LD/LC50-value:						
Ingredient:	Parameter	Type	Value	Unit	Species	RTECS No.
Sodium hydroxide 10% solution	LDL0	Oral	500	mg/kg	Rabbits	WBN4900000
Chronic toxicity:	There are no relevant indications for carcinogenic, mutagenic or developmental./reproductive effects.					
Inhalation:	Irritation of mucous membranes.					
Skin contact:	Irritations.					
Eye contact:	Irritations.					
Ingestion:	Irritations of mucous membranes in mouth, pharynx oesophagus and gastrointestinal tract.					
Other data:	Other hazardous properties can not be excluded. Due to the method of calculation of the EC General classification in the latest valid version the product presents the following hazards: Irritant.					

12. Ecological information	
Mobility:	Not determined.
Degradability:	Prevent from getting into sewage, water and ground.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	NaOH is toxic to fish. LC50: 189 mg/L (1N solution).
Other hazardous effects:	Harmful effects by change of pH. No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations	
Surplus or waste (residues):	This product must be disposed of as a laboratory chemical according to local regulations. Used reagents must be disposed of as laboratory waste.
Contaminated packaging:	Packaging must be disposed of according to local regulations. Recommendation : remove residues. Empty containers should be returned to local recyclers. Recommended cleaning agent: water.

14. Transport information (International regulations)		
General information:	REAGENT : <ul style="list-style-type: none"> ◆ Proper shipping name: Sodium hydroxide solution. ◆ UN-Number: UN1824 (Excepted quantities). ◆ Hazard class: 8. ◆ Label(s): Corrosive. ◆ Unit volume: 30 ml. ◆ Sales unit: 1 bottle/kit. 	
By air (IATA):	Packaging group: III.	Packing instructions (passenger aircraft): 819 (5L).
By land (ADR):	Refer to regulation.	
By sea (IMDG):	Refer to regulation.	

ABX Pentra Clean-Chem CP	A91A00553BEN	13/06/2005
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15. Regulatory information

Symbols:	Xi	Irritant
R phrases:	R36/38	Irritating to eyes and skin.
S phrases:	S26	In case of contact with eyes, rinse immediately and seek medical advice.
Substances:	NaOH	Sodium hydroxide
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

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.