

ABX Cleaner 0.5L/ABX Cleaner 1L	A91A00228DEN	Revision 08/11/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Cleaner 0.5L/ABX Cleaner 1L
Product code:	Ref. ABX: 0903011/ 0903010
1.2. Use of the product	
Enzymatic solution with proteolytic action for the cleaning of HORIBA ABX blood cell counters.	
1.3. 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 Email: documentation@fr.abx.fr
1.4. Emergency phone number	
	Contact the nearest first-aid station

2. Hazards identification	
Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No	
Most important hazards:	None
Specific risks	Product may be harmful if swallowed and can induce vomiting, fainting and diarrhoea.

3. Composition/information on ingredients					
3.1. Description of the kit					
	ABX Cleaner 0.5L: REAGENT : 1 x 0.5L Cleaning solution				
	ABX Cleaner 1L: REAGENT : 1 x 1L Cleaning solution				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Organic buffer	< 20%	Xi	R36/37/38	
	Proteolytic enzyme	< 1%	Xn	R42, R36/38	
	Detergent	< 5%	Xn	R22, R38, R41	
	Preservative	< 25%	Xn	R22, R36/38	

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4. First-aid-measures	
Inhalation:	Provide fresh air.
Skin contact:	Wash skin with water and soap.
Eye contact:	Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. Get medical attention.
Ingestion:	If patient is conscious, rinse out mouth and throat thoroughly with water. Get medical attention.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	None determined.
Special protective equipment:	None.
Additional recommendations:	None.

6. Accidental release measures	
Personal precautions:	Wear a lab coat, protective gloves and safety goggles.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Take up with absorbent material and place in a suitable container. Rinse the affected area abundantly

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 at 18-25°C.
Incompatible materials:	No special requirements.
Packaging materials:	No special requirements.

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8. Exposure controls/personal protection	
8.1. Exposure limit values	
Specific control parameters:	None determined.
8.2. Exposure controls	
8.2.1. Occupational exposure controls	
Technical measures:	Not determined.
Respiratory protection:	Not determined.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Not determined.
8.2.2. Environmental exposure controls	
Not determined	

9. Physical and chemical properties			
9.1. General information			
Physical state:	Liquid		
Colour:	Colourless	Odour:	Detergent
9.2. Important health, safety and environmental information			
pH:	9.6 (+/- 0.4)	Relative density:	Not determined
Boiling point:	Not determined	Solubility:	Aqueous solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined
9.3. Other information			
Not determined.			

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10. Stability and reactivity	
Conditions to avoid:	Not determined.
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:	Product may be harmful if swallowed and can induce vomiting, fainting and diarrhoea.
Other data:	None.

12. Ecological information	
12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	Not determined.
12.3. Degradability:	Biodegradable >90%
12.4. Bioaccumulative potential:	Not determined.
12.5. Results of PBT assessment:	Not determined.
12.6. Other hazardous effects:	None determined.

13. Disposal considerations	
Surplus or waste (residues):	The product must be disposed of as a laboratory chemical according to local regulations. Do not throw down the sink until it has been diluted as much as possible.
Contaminated packaging:	Incineration.

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14. Transport information (International regulations)	
General information:	None.
By air (IATA):	None.
By land (ADR):	None.
By sea (IMDG):	None.

15. Regulatory information	
Symbols:	None.
R phrases:	None.
S phrases:	None.
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	
None.	
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.	