

ABX Minoclair	A91A00288EEN	Creation/Revision 22/08/2007
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1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Minoclair
Product code:	Ref. HORIBA ABX: 0401005
1.2. Use of the product	
Cleaning and bleaching solution for 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): Yes	
Most important hazards:	C - Corrosive Man: Irritates the skin in case of prolonged handling. Contact with eyes: Possibility of ocular lesion. Ingestion: Product may be harmful if swallowed and can induce vomiting, fainting and stomach ache. May cause irritation to the respiratory tract.
Specific risks	R31 - R34. S26 - S28 - S36/37/39.

3. Composition/information on ingredients					
3.1. Description of the kit					
	1 bottle: 1 x 0.5L Cleaning solution				
3.2. Hazardous ingredients (name, concentration)					
CAS N.	Name	Concentration	Symbol	Risk	Registration number
	Sodium Hypochlorite Sodium Hydroxide	10.5% at 13% of active chlorine 0.26%	C, N C	R31-34-50 R35	

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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 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. Do not induce vomiting. Get medical attention.

5. Fire-fighting measures : Product non flammable	
Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	Not determined.
Special protective equipment:	Not determined.
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:	Prevent product from spreading. Take up with absorbent material and place in a suitable container. Rinse the affected area abundantly after neutralisation and transfer to the waste.

7. Handling and storage	
7.1. Handling	
Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Avoid contact with the eyes, skin and clothing. Wear protective gloves when handling the product.
7.2. Storage	
Technical measures:	No special requirements.
Storage conditions:	Store in its original container only, tightly closed, at 18-25°C.
Incompatible materials:	Avoid metals, aluminium.
Packaging materials:	No special requirements.

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8. Exposure controls/personal protection

8.1. Exposure limit values

Specific control parameters:	None determined.
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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:	Yellowish at 20°C	Odour:	Chlorine

9.2. Important health, safety and environmental information

pH:	12.4 +/-0.5 at 20°C	Relative density:	approx. 1g/cm ³
Boiling point:	Not determined	Solubility:	Solution miscible with water
Flash point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Viscosity:	Not determined
Explosive properties:	Not determined	Vapour density:	Not determined
Oxidizing properties:	Not determined	Evaporation rate:	Not determined

9.3. Other information

None

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10. Stability and reactivity

Conditions to avoid:	Diminution of the solution's chlorometric content under the effect of heat over a certain time, and also in the presence of metallic impurities.
Materials to avoid:	Strong acids and metals.
Hazardous decomposition products:	Chlorine and hypochloric acid.
Other data:	None.

11. Toxicological information

Acute toxicity:	Sodium hydroxyde: LD50 oral rat: 140-340 mg/kg Sodium hypochlorite: LD50 oral mouse: 5800 mg/kg
Chronic toxicity:	Repeated contact with dilute caustic solutions may cause dermatitis.
Inhalation:	May cause irritation to the respiratory tract.
Skin contact:	Corrosive. Causes burns in case of prolonged contact.
Eye contact:	Possibility of ocular lesion.
Ingestion:	Harmful if swallowed.
Other data:	None.

12. Ecological information

12.1. Ecotoxicity:	Not determined.
12.2. Mobility:	Not determined.
12.3. Degradability:	Not determined.
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.
Contaminated packaging:	Incineration.

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14. Transport information (International regulations)		
General information:	<ul style="list-style-type: none"> ◆ Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Hydroxide) ◆ UN-Number: UN3266. ◆ Hazard class: 8. ◆ Label(s): Corrosive. ◆ Unit volume: 1 x 500 mL. ◆ Sales unit: 1 bottle. 	
By air (IATA):	Packaging group: III.	Packing instruction (passenger aircraft): 818 (5L).
By land (ADR):	Refer to regulation.	
By sea (IMDG):	Refer to regulation.	

15. Regulatory information		
Symbols:	C	Corrosive
R phrases:	R31 R34	Contact with acids liberates toxic gas. Causes burns.
S phrases:	S26 S28 S36/37/39	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection.
Substances:	Sodium Hypochlorite Sodium Hydroxide	
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.	

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16. Other information

16.1. List of relevant R phrases

R31 R34	Contact with acids liberates toxic gas. Causes burns.
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16.2. Recommended restriction on use

See specific information given in the product user information.

16.3. Further 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.

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.