

<b>ABX Minoclair 0.5L</b>	<b>A91A00288CEN</b>	<b>16/06/2005</b>
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<b>1. Product and company identification</b>	
<b>1.1. Identification of the product</b>	
Product name:	ABX Minoclair 0.5L
Product code:	Ref.ABX: 0401005
<b>1.2. Company identification</b>	
	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
<b>1.3. Emergency phone number</b>	
	Contact the nearest first-aid station

<b>2. Composition/information on ingredients</b>	
<b>2.1. Description of the kit</b>	
	1 bottle: 1 x 0.5L Cleaning solution
<b>2.2. Hazardous ingredients (name, concentration)</b>	
	Sodium Hypochlorite Sodium Hydroxide
	9% v/v at 13% of active chloride 0.26%
<b>2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): Yes</b>	

<b>3. Hazards identification</b>	
Most important hazards:	<b>Xi - Irritant</b> 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	R36, R37, R38.

<b>4. First-aid-measures</b>	
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.

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## 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.

### 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.

## 8. Exposure controls/personal protection

Specific control parameters:	None determined.
Technical measures:	Not determined.
Respiratory protection:	Not determined.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Not determined.

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## 9. Physical and chemical properties

Physical state:	Liquid	Autoflammability:	Not determined
Colour:	Yellowish at 20°C	Explosive properties:	Not determined
Odour:	Chlorine	Oxidizing properties:	Not determined
pH:	12.4 +/-0.5 at 20°C	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	approx. 1g/cm <sup>3</sup>
Melting point:	Not determined	Solubility	Solution miscible with water
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Not determined	Other data:	Not determined

## 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

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
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:	<ul style="list-style-type: none"> <li>◆ Proper shipping name: <b>CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.</b></li> <li>◆ UN-Number: <b>UN3266.</b></li> <li>◆ Hazard class: <b>8.</b></li> <li>◆ Label(s): <b>Corrosive.</b></li> <li>◆ Unit volume: <b>1 x 500 ml.</b></li> <li>◆ Sales unit: <b>1 bottle.</b></li> </ul>	
By air (IATA):	Packaging group: <b>III.</b>	Packing instruction (passenger aircraft): <b>818 (5L).</b>
By land (ADR):	Refer to regulation.	
By sea (IMDG):	Refer to regulation.	

#### 15. Regulatory information

Symbols:	Xi	Irritant.
R phrases:	R36, R37 and R38	Irritating to eyes, respiratory system and skin.
S phrases:	S24/25 S26  S35  S37	Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. This material and its container must be disposed of in a safe way. Wear suitable gloves.
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

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.