

ABX Minilyse 1L	A91A00245BEN	09/06/2006
------------------------	---------------------	-------------------

1. Product and company identification	
1.1. Identification of the product	
Product name:	ABX Minilyse 1L
Product code:	Ref.ABX: 0701010
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]: 1 x 1L : Lysing agent			
2.2. Hazardous ingredients (name, concentration)				
	Name	Concentration	Symbol	Risk
	Potassium chloride	< 20%	Xi	R36
	Sodium azide	< 0.1%	T+, N	R28, R32, R50/53
	EDTA	< 25%	Xi	R36/38
	Quaternary Ammonium Salt	< 20%	Xn, N	R22, R36/37/38, R50/53
	Propanol 2	< 20%	F, Xi	R11, R36, R37
	Potassium cyanide	< 0.1%	T+, N	R26/27/28, R32, R50/53
2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No				

3. Hazards identification	
Most important hazards:	Harmful if inhaled, swallowed or in contact with skin.
Specific risks	Extremely toxic fumes may be formed when in contact with an acid.

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:	Provide artificial respiration with added oxygen in case of intoxication by cyanidric acid. Get medical attention.

ABX Minilyse 1L	A91A00245BEN	09/06/2006
------------------------	---------------------	-------------------

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:	Neutralize with sodium hypochlorite solution. After neutralisation, soak up but do not throw down the sink (incineration).

7. Handling and storage

7.1. Handling

Technical measures:	None determined.
Precautions:	The usual laboratory precautions should be observed.
Handling recommendations:	Avoid contact with the eyes, skin and respiratory tract.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store in airtight containers, protected from light, at 18-25°C.
Incompatible materials:	Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Packaging materials:	Polyethylene or other plastic.

8. Exposure controls/personal protection

Specific control parameters:	None determined.
Technical measures:	Use general room ventilation.
Respiratory protection:	None required.
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Lab coat.
Hygiene measures:	Wash hands before and after use. Eye wash and safety shower in case of prolonged handling.

ABX Minilyse 1L	A91A00245BEN	09/06/2006
------------------------	---------------------	-------------------

9. Physical and chemical properties

Physical state:	Liquid, aqueous solution	Autoflammability:	Not determined
Colour:	Colourless	Explosive properties:	Not determined
Odour:	Smells of cyanide	Oxidizing properties:	Not determined
pH:	10.2 (+/- 0.4)	Vapour pressure:	Not determined
Boiling point:	Not determined	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Miscible with water
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	Non-flammable	Other data:	Not determined

10. Stability and reactivity

Conditions to avoid:	Avoid all contact with the following reagents : ABX Basolyse, ABX Basolyse II. Avoid all contact with acids or aqueous acid environments as extremely toxic cyanide acid fumes may be formed.
Materials to avoid:	Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	Cyanide acid fumes formed upon contact with acids.
Other data:	None.

11. Toxicological information

Acute toxicity:	The danger of serious intoxication exists in case of absorption or inhalation. Potassium cyanide : LD50 oral rat : 10 mg/kg Sodium azide : LD50 oral rat : 27 mg/kg
Chronic toxicity:	Not determined.
Inhalation:	Not determined.
Skin contact:	Not determined.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	None.

12. Ecological information

Mobility:	The product is dangerous in water and toxic to fish and plancton. KCN in its pure state is extremely toxic to fish: LC50 leuciscus idus 'forma orfus' : 0.07 - 1 mg/l NaN3 in its pure state is extremely toxic to fish: LC0 Blue gill : 1.5 ppm/24h
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
Other hazardous effects:	None determined.

ABX Minilyse 1L	A91A00245BEN	09/06/2006
------------------------	---------------------	-------------------

13. Disposal considerations

Surplus or waste (residues):	Neutralize the product (see procedure as described in §6) before discarding. This reagent contains less than 0.1% sodium azide as a preservative. As sodium azide may react with lead and copper to form explosive metal azides, this reagent should be disposed of by flushing with copious amounts of water. The product must be disposed of as a laboratory chemical according to local regulations.
Contaminated packaging:	Incineration.

14. Transport information (International regulations)

General information:	None.
By air (IATA):	Not applicable.
By land (ADR):	Not applicable.
By sea (IMDG):	Not applicable.

15. Regulatory information

Symbols:	None	
R phrases:	None	
S phrases:	None	
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.