HORIBA ABX Diagnostics

Material Safety Data Sheet

ABX CRP Std	A91A00696AEN	27/07/2005

1. Product and company identification

1.1. Identification of the product

Product name:	ABX CRP Std
Product code:	Ref.HORIBA ABX: 0501016

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

	CAL : 2 x 1 ml : Human serum for calibration of CRP CRP	<0.01%

2.2. Hazardous ingredients (name, concentration)

CAS No. 26628-22-8	Sodium azide	0.09%

2.3. Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No

3. Hazards identification

Most important hazards:	May cause irritation to the skin and mucous membranes. The human source material in this product has been tested with FDA licensed tests and is non reactive for HIV 1/2 (HIV) antibody, HCV antibody and Hepatitis B surface antigen (HBsAg).
Specific risks	None determined.

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 immediately.
Ingestion:	Induce vomiting with plenty of warm water. At vomiting, turn victim's head sideways at least to keep his airway open. Get medical attention immediately. If victim is unconscious, keep him at comforable sideways position to wait and to be carried.

5. Fire-fighting measures

Extinguishing media:	Use whatever is required for the surrounding area.
Specific risks:	Non flammable. Thermal decomposition of components is unlikely to result in gases which are damaging to health in any quantity.
Special protective equipment:	No special requirements.
Additional recommendations:	None.

6. Accidental release measures

Personal precautions:	Wear a lab coat, protective gloves and safety goggles. No known analysis method can totally guarantee the absence of transmissible pathogenic agent. It is therefore recommended that these products be treated as potentially infectious, and handled observing the usual safety precautions.
Environmental precautions:	Prevent from getting into sewage, water, ground.
Methods for cleaning/absorption:	Take up with absorbent material and place in a suitable container for infectious wastes.

7. Handling and storage

7.1. Handling

Technical measures:	No special requirements.
Precautions:	The usual laboratory precautions concerning manipulation of human origin products should be observed. Avoid long-time or repeated exposure. Minimize dust generation and accumulation.
Handling recommendations:	Wash hands before and after use.

7.2. Storage

Technical measures:	No special requirements.
Storage conditions:	Store protected from light, under a cool condition (2-10°C). Do not freeze the reagent.
Incompatible materials:	Not determined.
Packaging materials:	No special requirements.

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.

9. Physical and chemical properties

Physical state:	Liquid	Autoflammability:	None
Colour:	Colourless	Explosive properties:	Not determined
Odour:	Not determined	Oxidizing properties:	Not determined
pH:	Not determined	Vapour pressure:	Not determined
Boiling point:	Nearly 100°C	Relative density:	Not determined
Melting point:	Not determined	Solubility:	Miscible in water
Flashing point:	Not determined	Partition coefficient:	Not determined
Flammability (solid, gaz):	None	Other data:	Specific gravity: nearly 1

10. Stability and reactivity: Stable

Conditions to avoid:	None known.
Materials to avoid:	Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.
Hazardous decomposition products:	None known.
Other data:	None known.

11. Toxicological information

Acute toxicity:	Human serum should be regarded as a potentially infectious material. Oral, human, TDL0: 710 µg/kg (100% sodium azide)
Chronic toxicity:	Not detected.
Inhalation:	Not determined.
Skin contact:	Skin contact for a long time can cause light irritation.
Eye contact:	Not determined.
Ingestion:	Not determined.
Other data:	None.

12. Ecological information

Mobility:	Not determined.
Degradability:	Not determined.
Bioaccumulative potential:	Not determined.
Ecotoxicology:	Not determined.
Other hazardous effects:	Not determined.

13. Disposal considerations

Surplus or waste (residues):	This reagent contains less than 0.1% of 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. The disposed liquid includes infectious substances (ex.blood) and has to be dumped into sewers after the treatment of infectious substances (with sodium hypochlorite). The following is the method of treatment: a) Treatment of infectious substances According to "Guideline for nocosomial infectiosity of Hepatitis B" (1980.10) by the conference of hepatitis study of the Ministry of Health and Welfare, it is preferable that effective concentration of chlorine is 1000ppm and that disinfection time is one hour. Therefore 1l of disposed liquid requires (100/effective concentration of chlorine) ml of bleach. Ex.: 1) 25ml (100/4) of bleach on the market with 4% effective concentration of chlorine is added to 1l of disposed liquid. 2) 1g of strong bleaching powder (calcium hypochlorite) is added to 1l of disposed liquid. b) After this treatment, the disposed liquid is adjusted to pH6-8 and is diluted with plenty of water for disposal.
Contaminated packaging:	Packaging must be disposed of according to local regulations.

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	
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 base 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.