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| ABX Pentra Total Protein CP | A91A00589CEN | 04/07/2008 |
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| 1. Product and company identification | |
| 1.1. Identification of the product | |
| Product name: | ABX Pentra Total Protein CP |
| Product code: | Ref. HORIBA ABX: A11A01669 |
| 1.2. Use of the product | |
| Diagnostic Reagent for quantitative <i>in-vitro</i> determination of Total Proteins in serum by colorimetry. | |
| 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 |

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| 2. Hazards identification | |
| Dangerous preparation according to 67/548/EEC - 99/45/EEC (Yes/No): No | |
| Most important hazards: | None. |
| Specific risks | For man : effect of acute exposure: Eyes, skin contact: May cause irritation Inhalation: May cause irritation, may be harmful Ingestion: May be harmful For environment : No hazard determined |

| 3. Composition/information on ingredients | | | | | |
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| 3.1. Description of the kit | | | | | |
| | REAGENT } Mono-reagent cassette: 1 x 61 ml Potassium iodide (6 mmol/l), Potassium sodium tartrate (21 mmol/l), Copper sulfate (6 mmol/l), Sodium hydroxide (58 mmol/l). | | | | |
| 3.2. Hazardous ingredients (name, concentration) | | | | | |
| CAS N. | Name | Concentration | Symbol | Risk | Registration number |
| 7758-98-7 | Copper sulfate | < 0.2% | Xn, N | R22, R36/38, R50/53 | - |
| 1310-73-2 | Sodium hydroxide | < 0.3% | C | R35 | - |

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4. First-aid-measures

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| Inhalation: | Provide fresh air. If breathing is difficult, get medical attention. |
| Skin contact: | Wash skin with plenty of water. |
| Eye contact: | Immediately wash eyes, also under the eyelids, with water for at least 15 minutes. Get medical attention. |
| Ingestion: | Get medical attention immediately. |

5. Fire-fighting measures : Product non flammable

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| Extinguishing media: | Water spray or extinguishing foam. |
| Specific risks: | None determined. |
| Special protective equipment: | No special requirements. |
| Additional recommendations: | Thermal decomposition: dangerous decomposition products and gases damaging to health are not expected in large quantities. |

6. Accidental release measures

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| 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. |

7. Handling and storage

7.1. Handling

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| 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

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| Technical measures: | No special requirements. |
| Storage conditions: | Store protected from light, in tightly closed containers, at 2-8°C. |
| Incompatible materials: | None determined. |
| 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: | Use general room ventilation. |
| Respiratory protection: | Wear mask or appropriate respirator. |
| Hand protection: | Protective gloves. |
| Eye protection: | Safety goggles. |
| Skin protection: | Lab coat. |
| Hygiene measures: | Wash hands before and after use. |
| 8.2.2. Environmental exposure controls | |
| Not applicable. | |

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| 9. Physical and chemical properties | | | |
| 9.1. General information | | | |
| Physical state: | Liquid, limpid | | |
| Colour: | Blue | Odour: | Not determined |
| 9.2. Important health, safety and environmental information | | | |
| pH: | Not determined | Relative density: | Not determined |
| Boiling point: | Not determined | Solubility: | Not determined |
| 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

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| Conditions to avoid: | None known. |
| Materials to avoid: | None known. |
| Hazardous decomposition products: | None known. |
| Other data: | The product is stable until the expiry date stated on the label. Hazardous reactions: not known when used appropriately. |

11. Toxicological information

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| Acute toxicity: | Not determined. |
| Chronic toxicity: | Not determined. |
| Inhalation: | Not determined. |
| Skin contact: | Not determined. |
| Eye contact: | Not determined. |
| Ingestion: | Not determined. |
| Other data: | Quantitative data about the toxicity of the product are not available. |

12. Ecological information

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| 12.1. Ecotoxicity: | No ecological problem are expected when the reagent is handled and used with due care and attention. |
| 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: | Quantitative data on ecological effects of the product are not available. Disposal considerations have to be respected (See §13). |

13. Disposal considerations

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| Surplus or waste (residues): | The products must be disposed of as a laboratory chemical according to local regulations. |
| Contaminated packaging: | Type of primary container: plastic cassette composed of polyethylene high density. Packaging must be disposed of according to local regulations. |

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| 14. Transport information (International regulations) | |
| General information: | Not applicable. |
| By air (IATA): | Not applicable. |
| By land (ADR): | Not applicable. |
| By sea (IMDG): | Not applicable. |

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| 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. |

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| 16. Other information | |
| 16.1. List of relevant R phrases | |
| R22 | Harmful if swallowed. |
| R35 | Causes severe burns. |
| R36/38 | Irritating to eyes and skin. |
| R50/53 | Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. |
| 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. | |