INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1. Product Name
HBcAb (Rapid Immunochromatographic Assay for the detection of HBcAb in human serum)

1.2. Catalogue no.
10504010

1.3. Kit components
Device Membrane Assembly in sealed aluminium pouch

1.4. Intended use
In Vitro Diagnostic Use.

COMPONENTS AND HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Kit Component</th>
<th>HAZARDOUS INGREDIENT</th>
<th>CLASSIFICATION SUBSTANCE</th>
<th>EINECS NR.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antibody</td>
<td>Material from animal origin</td>
<td>T+; R28-32 N; R50-53</td>
<td>247-852-1</td>
</tr>
<tr>
<td>0.095 % Sodium azide (NaN₃)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARDS IDENTIFICATION
According to 1999/45/EG, the preparation is classified as dangerous.

<table>
<thead>
<tr>
<th>CLASSIFICATION PREPARATION</th>
<th>RISKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xn, R22</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td></td>
<td>Human material is potentially infectious</td>
</tr>
</tbody>
</table>

FIRST AID MEASURES
Eye contact:
- Rinse immediately with water
- Do not apply neutralizing agents
- Consult a doctor/medical service

Skin contact:
- Rinse with water
- Consult a doctor/medical service if irritation persists

After inhalation:
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration
- Consult a doctor/medical service if breathing problems develope

After ingestion:
- Never give water to an unconscious person
- Consult a doctor/medical service if you feel unwell

FIRE FIGHTING MEASURES
Suitable extinguishing media:
- All non combustible extinguishing media allowed
- For surrounding fires: all extinguishing media allowed

Unsuitable extinguishing media:
- No data available

Special exposure hazards:
- On heating/burning: formation of small quantities of nitrous vapors, carbon monoxide, carbon dioxide

Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

ACCIDENTAL RELEASE MEASURES
Personal protection: see 8
Environmental precautions:
- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Contain leaking substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill

Clean-up:
- Take up liquid spill into absorbent material
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

HANDLING AND STORAGE

Handling:
- Observe normal hygiene standards
- Do not discharge the waste into the drain
- Remove and clean contaminated clothing

Storage:
- Provide for a tub to collect spills
- Meet the legal requirements
- Keep away from: heat sources, acids
- Storage temperature: see component label

Specific purposes:
- NA

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide</td>
<td>mg/m³</td>
</tr>
<tr>
<td>TLV-TWA</td>
<td>-</td>
</tr>
<tr>
<td>TLV-STEL</td>
<td>-</td>
</tr>
<tr>
<td>TLV-Ceiling</td>
<td>0.29 (NaN₃)</td>
</tr>
<tr>
<td>OES-LTEL</td>
<td>-</td>
</tr>
<tr>
<td>OES-STEL</td>
<td>0.3 (NaN₃)</td>
</tr>
<tr>
<td>MAK</td>
<td>0.2</td>
</tr>
</tbody>
</table>

8.2 Control of Exposure

8.2.1 Exposure to persons

Respiratory Protection: Insufficient ventilation: wear respiratory protection
Hand Protection: Gloves
Eye Protection: Face shields
Skin Protection: Protective Clothing

8.2.2 Exposure to environment

Aquatic Classification: N; R50-53 Very toxic to aquatic organisms.
May cause long term adverse effects in the aquatic environment
Ozone Classification: No data available
The substance is considered as not bio accumulative: Log Pow = NA
BCF = NA
Not Readily degradable

PHYSICAL AND CHEMICAL PROPERTIES

Antibody: Device membrane test assembly impregnated with colloidal gold conjugated to anti HBcAb monoclonal and mouse IgG, HBcAg and goat anti mouse IgG at the respective region.

STABILITY AND REACTIVITY

Stability: The component is stable until expiry date if stored in specified conditions (see label)
Reactivity/Hazardous decomposition products: No hazardous decomposition products are formed in high quantities
Conditions/Materials to avoid: Keep away from metals and acids (Component contains azide)

TOXICOLOGICAL INFORMATION

Sodium Azide:
Toxicity and effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>LD50 oral rat</th>
<th>27 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LD50 dermal rabbit</td>
<td>20 mg/kg</td>
</tr>
<tr>
<td>Acute effects</td>
<td>Harmful if swallowed</td>
<td></td>
</tr>
<tr>
<td>Chronic toxicity</td>
<td>Carcinogenicity (TLV)</td>
<td>A4</td>
</tr>
</tbody>
</table>

Routes of exposure

- Ingestion, inhalation, eyes and skin
- Caution! These components contain a substance that is absorbed through the skin (sodium azide).

ECOLOGICAL INFORMATION

Aquatic toxicity

- Sodium azide:
  - LC50 (96 h) : 0.8 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKI"
  - LC50 (96 h) : 0.7 mg/l (LEPOMIS MACROCHIRUS)
  - LC50 (48 h) : 9 mg/l (GAMMARUS SP.)

Other information

- Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect: No data available
- Effect on wastewater purification: No data available

WASTE DISPOSAL CONSIDERATIONS


- It should be disposed of following established safety procedures and local regulations.
- The component must be considered as hazardous waste. It should be disposed of following local regulations.
- Sodium Azide reacts with lead and copper plumbing forming highly explosive metal azides.

TRANSPORT INFORMATION

No restrictions.

REGULATORY INFORMATION

Classification according to directives 67/548/EEC, 1999/45/EC.

Contains 0.095% sodium azide

OTHER INFORMATION

This product is designed for use by professionals.

The animal source material included in this kit are considered to be free from risk for BSE/CJD & other zoonoses and judged to be non-existent based on:

The material used from animal origin are sources from non – BSE countries (Certificate available). But, handling of reagents, serum or plasma specimens should be in accordance with local safety procedures.

The human blood components included in this kit have been tested by European approved and/or FDA approved methods and found negative for HBsAg, anti-HCV and anti-HIV-1 and 2. No known method can offer complete assurance that human blood derivatives will not transmit hepatitis, AIDS or other infections. Therefore, handling of reagents, serum or plasma specimens should be in accordance with local safety procedures.

Risk phrases referred to in paragraph 2 & 3:

- R22: Harmful if swallowed
- R28: Very toxic if swallowed
- R32: Contact with acids liberates very toxic gas
- R50: Very toxic to aquatic organisms
- R53: May cause long-term adverse effects in the aquatic environment

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

It remains the user’s own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.