1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product name: Yersinia enterocolitica-O Test Antigens for the Micro Widal Reaction
Catalogue number: TS 1721 - TS 1724

Test antigens for use in establishing the existence and determining the quantity of specific agglutinating Yersinia enterocolitica antibodies (or agglutinins) in human sera or sera of other origin in the micro-Widal reaction

Manufacturer/supplier: SIFIN Institut für Immunpräparate und Nährmedien GmbH Berlin
Berliner Allee 317-321
D-13088 Berlin, Germany
Phone.: +49 (0) 30 927030-0
Fax: +49 (0) 30 927030-30

2. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical characterisation of the product: Killed and dyed suspensions of bacteria of selected serovars in buffered saline.

Dangerous components:

<table>
<thead>
<tr>
<th>Description</th>
<th>CAS-No.:</th>
<th>EC-No.:</th>
<th>EC-Index-No.</th>
<th>Classification:</th>
<th>Content (% by weight):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiomersal</td>
<td>54-64-8</td>
<td>200-210-4</td>
<td>080-004-00-7</td>
<td>T+; R26/27/28-</td>
<td>&lt; 0.02</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R33 N; R50/53</td>
<td></td>
</tr>
</tbody>
</table>

Thiomersal at a product concentration below 0.02% by weight is not subject to labelling requirements.

3. HAZARDS IDENTIFICATION

Not a hazardous product according to the most recent EU Directive 1999/45/EC (Dangerous Substances/Preparations).

4. FIRST AID MEASURES

Skin contact: Wash with copious amounts of water.
Eye splashes: Rinse the eyes with water with the eyelids open.
Inhalation: Not applicable.
Ingestion: Rinse mouth and drink copious amounts of water. In case of indisposition seek medical advice.
5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Select according to surrounding materials.

Special hazards: None.

6. SPILLAGE / ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid skin and eye contact.
For personal protective equipment see heading 8.

Cleaning methods: Collect spilled product with absorbing material, e. g. cellulose.
Remove for disposal. Clean area afterwards.

7. HANDLING AND STORAGE

Handling: See instructions for use.

Storage: Tightly closed and protected from light, at 2...8 °C.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

General protective and hygiene measures
The usual safety rules and precautionary measures for handling chemicals must be adhered to.
Protective work clothing should be worn. Do not eat or drink while working with the product. After working with the product, disinfect hands, wash hands carefully and remove protective work clothing.

Personal protective equipment:
Respiratory protection: Not necessary.
Hand protection: Disposable laboratory gloves.
Eye protection: Not necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Lyophilized.
Colour: Red (03), green (05, 06) or blue (09).
Odour: Odourless.
pH-value: 7.0 - 7.5 (25 °C).
Boiling point: Not applicable.
Flash point: Not applicable.
Flammable limits: Not applicable.

Vapour density: Not available.
Specific gravity: Not available.
### 10. STABILITY AND REACTIVITY

**Conditions to be avoided:** Storage below 2 °C and above 8 °C, strong heating, freezing and thawing.

**Substances to be avoided:** Lead and copper salts.

**Hazardous decomposition products:** No data available.

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:**
Toxicological data for the product are not available.

The product was classified according to the EU Dangerous Substances/Preparations Directives (67/548/EEC, last amended 1999/45/EC) as **Not classified as hazardous product.**

Nevertheless the product should be handled with the usual caution whilst handling biological products.

**Further toxicological advice:** Hazardous properties are unlikely.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**
Data regarding ecological effects of this product are not available.

**Other harmful properties:** If handled and used appropriately, ecological problems are not expected to occur.

### 13. DISPOSAL CONSIDERATIONS

**Product:** In case there are residues to be disposed of (the quantities involved may only be a few millilitres), these should be placed in disinfectant solution before disposal. The same procedure is to be followed with antigen reaction products.

**Packaging:** Disposal is to be made in accordance with official regulations. Contaminated packaging must be handled in the same way as the product. Unless regulations state otherwise, uncontaminated and completely emptied packaging may be treated as domestic waste or recycled.

### 14. TRANSPORT INFORMATION

No special measures need be taken for transporting the product.
15. REGULATORY INFORMATION

Labelling according to EU Dangerous Substances Regulations.

| Symbol(s): | None. |
| Risk phrases: | None. |
| Safety phrases: | None. |

**German Regulations:**
- Water Hazard Class: Not applicable.

16. OTHER INFORMATION

The information supplied here is based on our current state of knowledge. This information is intended to describe our products with respect to safety requirements. It implies no guarantee of the properties of those products, nor does it establish any contractual relationship.

Text of relevant risk phrases (from heading 2):

- **R26/27/28** Very toxic by inhalation, in contact with skin and if swallowed.
- **R33** Danger of cumulative effects
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Department issuing data sheet:**
SIFIN Institut für Immunpräparate und Nährmedien GmbH Berlin,
Head of Department Bacteriological Test Reagents, Tel.: +49 (0) 30 927030-0.