1. Product & Company Information

Manufacturer
InBios
562 First Ave. South, Ste. 600
Seattle, WA 98104 USA

Information Phone Number: 866.INBIOS1
Hours: Mon. to Fri. 8:30-5
Emergency Number: 206-344-5821 (24 hrs.)

Catalog Number(s) DDGS-1
Product Name DENV Detect™ IgG ELISA
Synonyms N/A
Formula N/A
Molecular Weight N/A

2. Composition / Information on Ingredients

Component | CAS # | SARA
---|---|---
1. Ready-to-use Coated Microtiter Strips for Dengue IgG
Dengue IgG antibody | | |
2. Sample Dilution Buffer for Dengue IgG, pH 7.4
Tris-HCl buffer, aqueous | 1185-53-1 | No
3. Dengue IgG Positive Control
Heat–inactivated positive serum for Dengue IgG
Proclin-300 (0.05%) | 54-64-8 | Yes
4. Dengue IgG Negative Control
Heat–inactivated negative serum for Dengue IgG | | |
5. 10X Wash Buffer, pH 6.8-7.0
Phosphate buffered saline (10X), aqueous
Tween 20 (1.0%) | 9005-64-5 | No
6. EnWash, pH 7.3-7.5
Phosphate buffered saline, aqueous
Tween 20 (≤0.05%), Proclin-300 (0.05%) | 9005-64-5 | No
3. Hazard Identification

Emergency Overview

Additional Toxicity information is Section 11.

Potential Health Effects (Acute and Chronic)

Inhalation: May be irritating to mucous membranes and respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Skin Contact: May be irritating to skin. Sulfuric acid causes severe burns.

Eye Contact: May be irritating to eyes. Sulfuric acid causes severe burns.

Aggravated Medical Conditions by Exposure: No information found.

Carcinogenicity: High levels of exposure to sulfuric acid mists and mercury compounds have shown carcinogenic effects.

Sensitization: No information found.

4. First Aid Measures

Emergency First Aid

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Wash out mouth with water provided person is conscious; get immediate medical attention.

Skin: Immediately flush thoroughly with large amounts of water. Remove contaminated clothing and wash before reuse. Seek medical attention.

Eyes: Immediately flush thoroughly with water for at least 15 minutes. Seek medical attention.
5. Fire Fighting Measures

**Extinguishing Media**
Use dry chemical powder.

**Fire Fighting Procedures**
Wear self-contained breathing apparatus and protective clothing.

**Fire & Explosion Hazards**
Emits toxic fumes under fire conditions.

6. Accidental Release Measures

**Spill Response**
Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Contain the release and eliminate its source, if this can be done without risk. Spill material should be disposed of accordingly (see Section 12). Comply with all Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

7. Handling and Storage

**Handling**
Avoid inhalation and contact with skin, eyes, and clothing. Avoid prolonged and repeated exposure. Components containing human serum must be treated as biohazardous and handled following Universal Precautions.

**Storage**
Keep container tightly closed and protected against physical damage. Store under appropriate conditions away from incompatible chemicals.

8. Exposure Controls and Personal Protection

**Safety Equipment**
Safety showers and eye wash station.

**Personal Protective Equipment**
Engineering and/or administrative controls should be implemented to reduce exposure. Protective gloves must be worn to prevent skin contact. Safety glasses with side shields must be worn at all times. Impervious protective clothing should be worn to prevent skin contact.

**Work and Hygiene Practices**
Wash thoroughly after handling. Wash contaminated clothing before reuse.
Exposure Guidelines

**OSHA - PEL:**

<table>
<thead>
<tr>
<th>Component</th>
<th>TWA PPM</th>
<th>TWA MG/M3</th>
<th>STEL PPM</th>
<th>STEL MG/M3</th>
<th>CL PPM</th>
<th>CL MG/M3</th>
<th>Skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mercury</td>
<td>0.01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfuric Acid</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ACGIH - TLV:**

<table>
<thead>
<tr>
<th>Component</th>
<th>TWA PPM</th>
<th>TWA MG/M3</th>
<th>STEL PPM</th>
<th>STEL MG/M3</th>
<th>CL PPM</th>
<th>CL MG/M3</th>
<th>Skin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. Physical and Chemical Properties

- **Boiling Point (C 760 mmHg)**: N/A
- **Melting Point (C)**: N/A
- **Specific Gravity (H₂O = 1)**: N/A
- **pH**: See Section 2.
- **Flash Point (F)**: N/A
- **Flammable Limits LEL (%)**: N/A
- **Flammable Limits UEL (%)**: N/A
- **Vapor Pressure (mm Hg)**: N/A
- **Percent Volatile by vol (%)**: N/A
- **Vapor Density (Air = 1)**: N/A
- **Evaporation Rate (BuAc = 1)**: N/A
- **Solubility in Water**: N/A
- **Appearance**: N/A

N/A = Not Available
10. Stability and Reactivity

**Stability**

<table>
<thead>
<tr>
<th>Stable:</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatibles:</td>
<td>Strong oxidizing agents, bases, brass, iron, finely powdered metals</td>
</tr>
<tr>
<td>Conditions to Avoid:</td>
<td>Incompatibles</td>
</tr>
</tbody>
</table>

**Hazardous Polymerization**

Hazardous polymerization will not occur.

**Hazardous Decomposition**

Carbon dioxide, Carbon monoxide, Sulfur oxide, Hydrogen sulfide, Mercury, Mercury oxides, Nitrogen oxides

11. Toxicological Information

<table>
<thead>
<tr>
<th>Oral Rat LD50</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation Rat LD50</td>
<td>N/A</td>
</tr>
<tr>
<td>Skin Rabbit LD50</td>
<td>N/A</td>
</tr>
</tbody>
</table>

12. Ecological Considerations

No data available.

13. Disposal Considerations

Contact a licensed professional waste disposal company for disposal of this material. Precious metals should be recovered. Observe all federal, state, and local environmental regulations.

14. Transportation Information

**DOT**

- Proper Shipping Name: None
- This substance is considered non-hazardous for transport.

**IATA**

- Proper Shipping Name: None
- This substance is considered non-hazardous for transport.
### Component SARA TPQ (lbs) SARA DeMininis (%) CERCLA RQ (lbs)

<table>
<thead>
<tr>
<th>Component</th>
<th>SARA TPQ (lbs)</th>
<th>SARA DeMininis (%)</th>
<th>CERCLA RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury compound</td>
<td>10</td>
<td>No Exemption</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric Acid</td>
<td>1000</td>
<td></td>
<td>1000</td>
</tr>
</tbody>
</table>

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

### 15. Other Information

**Comments**

None

**NFPA Hazard Ratings**

- Health: N/A
- Flammability: N/A
- Reactivity: N/A
- Special Hazards: N/A

N/A = Not Available
N/E = None Established

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