1. Product and Company Identification

Product Name: Mouse Reference Serum
Catalog Number: RS10-101
Supplier: Bethyl Laboratories, Inc.
2504 West FM 1097
Montgomery, TX 77356
Telephone: 800-338-9579
Fax: 866-597-6105
Product Use: For Research Use Only, Not for Diagnostic Use.

2. Hazards Identification

GHS Classification: Not a hazardous substance or mixture.

GHS Label elements:
- Pictogram: none
- Signal word: none
- Precautionary Statement(s): none

HMIS Classification:
- Health hazard: 0
- Flammability: 0
- Physical hazards: 0

NFPA Classification:
- Health hazard: 0
- Fire: 0
- Reactivity hazards: 0

3. Composition/Information on Ingredients

Mixtures:
No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

If swallowed: Rinse mouth with water provided person is conscious.
Skin contact: Wash skin with soap and plenty of water.
Eye exposure: Flush with water as a precaution.
If inhaled: Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
5. Fire-Fighting Measures

Conditions of flammability
Not flammable or combustible

Extinguishing Media
Water, foam, carbon dioxide, or dry chemical

Unusual Fire & Explosion Hazard
No usual fire or explosion hazards noted.

Special protective equipment for firefighters
Wear self contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal precautions
If spill occurs, wear protective gloves and clean up the spill area with inert absorbent material. Avoid post-cleanup contact of chemical with skin, eyes or inhalation.

Environmental precautions
Do not allow to enter drains, sewers or watercourses.

Methods and materials for containment and cleaning up
Dispose of clean-up waste in suitable closed containers

7. Handling and Storage

Conditions of safe storage
Keep container tightly closed and upright to prevent leakage.

Recommended storage temperature is 2 - 8°C.

8. Exposure Controls/Personal Protection

Contains no substance with occupational exposure limit values

Respiratory protection
If area is well ventilated, respiratory protection not required.

Hand protection
Handle with gloves.

Eye protection
Wear safety goggles.

Skin and body protection
Lab coat to limit skin exposure

General hygiene
Wash hands before breaks and at the end of each work shift and before eating, smoking or using the toilet. Wash contaminated clothing and shoes before reuse.
9. Physical and Chemical Properties

Appearance
Form liquid
Color colorless
Odor no characteristic odor

Safety Data
pH no data available
Melting point/Freezing point no data available
Boiling point no data available
Flash point no data available
Ignition point no data available
Auto-ignition Temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Vapor pressure no data available
Density no data available
Water Solubility no data available
Partition coefficient n-octanoic/water no data available
Relative vapor density no data available
Evaporation rate no data available

10. Stability and Reactivity

Chemical stability
Product is stable under normal conditions of storage and use.

Possibility of hazardous reactions
No data available

Conditions to avoid
No data available

Materials to avoid
Strong acids

Hazardous decomposition products
Under normal conditions and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity (Oral LD50) No data available
Skin corrosion/irritation No data available
Serious eye damage/eye irritation No data available
Germ Cell Mutagenicity No data available
Carcinogenicity Not listed by IARC, ACGIH, NTP, OSHA
Reproductive toxicity No data available
Specific target organ toxicity  
**single exposure**  
No data available

Specific target organ toxicity  
**repeated exposure**  
No data available

Aspiration hazard  
No data available

Potential health effects

<table>
<thead>
<tr>
<th>Component</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May be harmful if inhaled. May cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
<tr>
<td>Skin</td>
<td>May be harmful if adsorbed through skin. May cause skin irritation.</td>
</tr>
<tr>
<td>Eyes</td>
<td>May cause eye irritation</td>
</tr>
</tbody>
</table>

Health Warnings  
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>No known OSHA hazards.</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No data available</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>No data available</td>
</tr>
<tr>
<td>PBT and vPvB assessment</td>
<td>No data available</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>Harmful to aquatic life</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

Dispose of material in accordance with federal, state, and local regulations.

14. Transportation Information

No special transport regulations  
DOT (US)  
Not dangerous goods  
ADR (road)/RID(rail)  
Not dangerous goods  
IMDG (sea)  
Not dangerous goods  
ICOA/IATA (air)  
Not dangerous goods

15. Regulatory Information

**OSHA Hazards**  
No known OSHA hazards

**SARA 302 Components**  
The following components are subject to reporting levels established by SARA title III, Section 302:

Sodium Azide CAS No. 26628-22-8

**SARA 311 Components**  
No chemical components were found

**SARA 311/312 Hazards**
No SARA hazards

**Canadian WHMIS**
Not controlled under WHMIS.

**EU Regulation/Classification/Labeling information**
The product is classified and labeled in accordance with Regulation EC No 1272/2008.

### 16. Other Information

For research use only.

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

Prepared by: Safety Department
Bethyl Laboratories, Inc.
1-800-338-9579