Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: Anti-Caspase 7, Developed in Rabbit, Affinity isolated antibody
Product Number: C7724
Brand: Sigma Chemical
Company: Sigma-Aldrich
Street Address: 3050 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63110 US
Technical Phone: 314 771 5765
Fax: 800 325 5032
Emergency Phone: 414 273 3850 Ext. 5996

Section 2 - Composition/Information on Ingredient

<table>
<thead>
<tr>
<th>Substance Name</th>
<th>CAS #</th>
<th>SARA 313</th>
<th>EC No</th>
<th>Annex / Index Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTI-CASPASE 7 (MCHS, ICE-LAP3, CHM-1), DEVELOPED IN RABBIT.</td>
<td>None</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingredient Name</td>
<td>CAS #</td>
<td>Percent</td>
<td>SARA 313</td>
<td></td>
</tr>
<tr>
<td>PHOSPHATE BUFFERED SALINE (PBS)</td>
<td>26628-22-8</td>
<td>0.050 %</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>SODIUM AZIDE</td>
<td>None</td>
<td>99.950 %</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>ANTIBODY</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Formule
Synonyms

Section 3 - Hazards Identification

Emergency Overview
Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

HMIS Rating
Health: 0
Flammability: 0
Reactivity: 1

NFPA Rating
Health: 0
Flammability: 0
Reactivity: 1

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures

Dermal Exposure
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Protection(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Spilled material should be carefully wiped up or moistened with water and removed. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
Keep tightly closed. Store at -20°C

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye wash. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
Government approved respirator.
Hand
Compatible chemical-resistant gloves.
Eye
Chemical safety goggles.

Sigma Chemical - C7724
Sigma-Aldrich Corporation
www.sigma-aldrich.com
General Hygiene Measures
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>B.P. Range</td>
<td>N/A</td>
</tr>
<tr>
<td>M.P. Range</td>
<td>N/A</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Saturated Vapor Conc.</td>
<td>N/A</td>
</tr>
<tr>
<td>SG/Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition Temp.</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point °F</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point °C</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition Temp</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>N/A</td>
</tr>
</tbody>
</table>

N/A = not available

Section 10 - Stability and Reactivity

Stability
- Stable
- Stable

Materials to Avoid
Dimethyl sulfate is incompatible with sodium azide, Acid chlorides, Halogenated solvents, Avoid contact with metals, Avoid contact with acid. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

Hazardous Decomposition Products
- Hazardous Decomposition Products
- Nature of decomposition products not known.

Section 11 - Toxicological Information

Hazardous Polymerization
- Hazardous Polymerization
- Will not occur.

Route of Exposure

- Skin Contact: May cause skin irritation.
- Eye Contact: May cause eye irritation.
- Inhalation: Material may be irritating to mucous membranes and upper respiratory tract.
- Multipath Route: May be harmful by inhalation, ingestion, or skin absorption.

RTECS Number: N/A

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

- Appropriate Method of Disposal of Substance or Preparation
  - Contact a licensed professional waste disposal service to dispose of this material.
  - Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

- DOT
  - Proper Shipping Name: None
  - Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

- IATA
  - Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

- US Classification and Label Text
- US Statements
- Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

- United States Regulatory Information
- SARA Listed: No

- Canada Regulatory Information
- WHMIS Classification
  - This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
  - DSL: No
  - NRDL: No
Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2004 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.