1 IDENTIFICATION
1.1 Product identifier

PSA, ≥ 99%

Product Catalog / Part Number: P0725 / 90017
Other Means of Identification: Prostate specific antigen, from human seminal fluid

1.2 Recommended use of the substance / mixture and restrictions on use
Laboratory biochemical for research use or further manufacturing only.

1.3 Details of the supplier of the safety data sheet
Scripps Laboratories
6838 Flanders Drive
San Diego, CA 92121 USA
e-mail: contact@scrippsllabs.com

1.4 Emergency telephone number
(+1) 858-546-5800 - during normal business hours (8 am - 4 pm)

2 HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture. Classification according to OSHA 29CFR 1910.1200.

2.2 Label elements and precautionary statements
Not a hazardous substance or mixture.
Contact with acids may cause release of toxic gases.

2.3 Hazards not otherwise classified (HNOC) / not covered by GHS
Human Source Material. Handle as if potentially infectious / capable of transmitting infectious agents.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterization
Mixture of the substance listed below with non-hazardous additions.

<table>
<thead>
<tr>
<th>Component</th>
<th>Sodium Azide</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number</td>
<td>26628-22-8</td>
<td>Acute Tox. 2 (Oral), H300</td>
<td>0.09 - 0.11 %</td>
</tr>
<tr>
<td>EC Number</td>
<td>247-852-1</td>
<td>Aquatic Acute 1, H400</td>
<td></td>
</tr>
<tr>
<td>Index number</td>
<td>011-004-00-7</td>
<td>Aquatic Chronic 1, H410</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of H-phrases used in this Section, see Section 16

4 FIRST AID MEASURES

4.1 Description of first aid measures
General Information: No special first aid measures required.
If Inhaled: Supply fresh air and consult doctor in case of complaints.
After Skin Contact: This product is not expected to irritate the skin. Wash with soap and plenty of water.
After Eye Contact: Flush opened eye for several minutes with running water
After Swallowing: Induce vomiting, rinse mouth with water, and call for medical help.
4.2 Most important symptoms and effects, both acute and delayed
No further information available.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed
No further information available.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Water spray, CO2, dry chemical, or alcohol resistant foam

5.2 Special hazards arising from the substance or mixture
No further information available.

5.3 Advice for firefighters
No special measures required.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Absorb with liquid binding material (sand, sawdust) and dispose as waste according to Section 13.

6.4 Reference to other sections
See Section 8 for information on personal protective equipment.
See Section 13 for disposal information.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling
No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed and store at recommended temperature as indicated on product label or certificate. Segregated storage is not required.

7.3 Specific end uses
No further information available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

<table>
<thead>
<tr>
<th>Sodium Azide, CAS number 26628-22-8</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH: Recommended airborne exposure limit (REL)</td>
<td>0.3 mg/m³ as sodium azide</td>
</tr>
<tr>
<td>ACGIH: Threshold limit value (TLV)</td>
<td>0.29 mg/m³ as sodium azide</td>
</tr>
<tr>
<td></td>
<td>0.11 ppm as hydrazoic acid</td>
</tr>
</tbody>
</table>

8.2 Exposure Controls

Appropriate engineering controls
General precautionary measures and industrial hygiene practices for handling chemicals should be used.

Personal protective equipment
Eye / face protection - approved safety glasses, goggles, or face shield.
Skin protection - handle with impervious protective gloves suitable for working with general laboratory chemicals.
Body protection - lab coat.
Respiratory protection - no special requirements.
9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Not determined</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>8.0 ± 0.1</td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper / Lower Flammability or Explosive Limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in / miscibility with water</td>
<td>Fully miscible</td>
</tr>
<tr>
<td>Partition Coefficient: n-octanol / water</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
<td>Product is not self igniting</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

9.2 Other information
No further information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity
No further information available.

10.2 Chemical stability
Stable under recommended use and storage conditions.

10.3 Possibility of hazardous reactions
This product contains sodium azide, which can react with lead and copper plumbing to form explosive metal azides.

10.4 Conditions to avoid
No further information available.

10.5 Incompatible materials
This product contains sodium azide, which can react with lead and copper plumbing to form explosive metal azides.

10.6 Hazardous decomposition products
No further information available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute Toxicity: No further information available.
Primary routes of exposure: Skin and eye contact, ingestion.
Symptoms related to exposure: No further information available.
Delayed, immediate, and chronic effects from short and long term exposure: No further information available.
Carcinogenicity: No component of this product is listed as a carcinogen by IARC, NTP, or OSHA.

12 ECOLOGICAL INFORMATION

12.1 Toxicity
No further information available.
12.2 Persistence and degradability
No further information available.

12.3 Bioaccumulative potential
No further information available.

12.4 Mobility in soil
No further information available.

12.5 Results of PBT and vPvB assessment
Not applicable.

12.6 Other adverse effects
No further information available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment

Product: Contact a licensed disposal company for proper treatment. Do not dispose of with household garbage. Do not allow product to enter sewer.

Contaminated packaging: Dispose of according to local, state, or federal regulations.

14 TRANSPORT INFORMATION

UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: Not applicable
Environmental hazards: Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

15 REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations specific for the substance or mixture

SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)

SARA 302 Components: The following components are subject to reporting levels established by SARA Title III, Section 302; (40CFR, Appendix A and B to Part 355).

Sodium Azide  CAS number: 26628-22-8

SARA 311/312.313 Components: This product does not contain any component that exceeds the established threshold planning quantities (TPQ) or reportable quantities (RQ) subject to notification and inventory reporting or chemical release reporting.

16 OTHER INFORMATION

Full text of H-phrases used in Section 3:

H300: Fatal if swallowed
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Acute Tox. 2 (Oral): Acute toxicity (oral) Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard Category 1

Abbreviations and acronyms:

NIOSH: National Institute for Occupational Safety and Health
ACGIH: American Conference of Governmental Industrial Hygienists
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
The information presented in this Safety Data Sheet is based on present knowledge gathered from a number of published sources as of the date of preparation. The information is believed to be correct but this shall not constitute a guarantee regarding the properties of the product.

Date of preparation: 05/28/2015 / Initial Release
Prior version number: Not Applicable
Changes since prior version: Not Applicable