

# Material Safety Datasheet (MSDS)

Updated: 29/07/2024

Version 2.2

www.abmgood.com

Applied Biological Materials Inc.

1-3671 Viking Way,

Richmond, BC, CANADA

V6V 2J5

## Section 1 – Product and Company Information

Product Name	DNA Purification Magnetic Beads
Catalog # From Manufacturer	G950, G951
Original Manufacturer	Applied Biological Materials Inc.

Company	Applied Biological Materials Inc.
Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Technical Phone	604-247-2416
Fax	604-247-2414
Emergency Phone	866-757-2414

## Section 2 – Composition/Information on Ingredient

Chemical Name	Sodium Azide
CAS-No	26628-22-8
EINECS-No	247-852-1
Weight %	<0.1%
Other Components	This products contains no substances which at their given concentration are considered to be hazardous to health. We recommend handling all chemicals with caution.

### Section 3 – Hazards Identification

<b>WHMIS Classification</b>	<ul style="list-style-type: none"><li>• Health Hazard: 0</li><li>• Flammability: 0</li><li>• Reactivity: 0</li></ul>
<b>NFPA Rating</b>	<ul style="list-style-type: none"><li>• Health: 0</li><li>• Flammability: 0</li><li>• Reactivity: 0</li></ul>

### Section 4 – First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Section 5 – Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use media appropriate to the primary cause of fire. Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Specific Hazards</b>	N/A

### Section 6 – Accidental Release Measures

<b>Personal Precautions</b>	Use personal protective equipment as required. Ensure adequate ventilation.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material and dispose according to local regulations.

### Section 7 – Handling and Storage

<b>Handling</b>	Always wear recommended Personal Protective Equipment. Use good laboratory procedures.
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<b>Storage</b>	Keep containers tightly closed and store at 4°C. Do not freeze.
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## Section 8 – Exposure Controls/ PPE

<b>Engineering Controls</b>	<ul style="list-style-type: none"> <li>A system of local and/or general exhaust is recommended to keep employee exposures low.</li> </ul>
<b>Personal Protective Equipment</b>	<ul style="list-style-type: none"> <li><b>Eye Protection:</b> Use chemical safety goggles and where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.</li> <li><b>Skin and Body Protection:</b> Wear appropriate protective gloves and clothing to prevent skin exposure.</li> <li><b>Respiratory Protection:</b> Under normal conditions the product should not require respiratory protection.</li> </ul>
<b>General Hygiene Measures</b>	<ul style="list-style-type: none"> <li>Handle in accordance with good industrial hygiene and safety practice.</li> </ul>

## Section 9 – Physical and Chemical Properties

<b>Appearance</b>	Liquid, brown.
<b>Odour</b>	Mild.
<b>Melting Point (°C)</b>	No data available.
<b>Boiling Temperature (°C)</b>	No data available.
<b>Density</b>	No data available.
<b>Vapour Pressure</b>	No data available.
<b>Solubility in Water</b>	No data available.
<b>Flash Point</b>	No data available.
<b>Explosion Limits</b>	No data available.
<b>Ignition Temperature</b>	No data available.

## Section 10 – Stability and Reactivity

<b>Stability</b>	<ul style="list-style-type: none"> <li>Stable under normal conditions.</li> <li>Materials to avoid: metals, metallic compounds, strong acids, strong oxidizing agents.</li> <li>Conditions to avoid: avoid exposure to heat and direct sunlight.</li> </ul>
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<b>Hazardous Decomposition Products</b>	<ul style="list-style-type: none"> <li>None under normal conditions.</li> </ul>
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## Section 11 – Toxicological Information

<b>Acute Toxicity</b>	<ul style="list-style-type: none"> <li>Ingredient: Sodium azide</li> <li>ACGIH TLV [Ceiling: 0.29mg/m<sup>3</sup> NaN<sub>3</sub>]: Ceiling 0.11ppm/Hydrazoic acid vapor.</li> <li>OSHA PEL [vacated] S*]: Ceiling 0.1ppm HN<sub>3</sub> Ceiling 0.3mg/m<sup>3</sup> NaN<sub>3</sub></li> <li>NIOSH IDLH [Ceiling: 0.1ppm HN<sub>3</sub>]: Ceiling 0.3mg/m<sup>3</sup> NaN<sub>3</sub></li> </ul>
<b>Route of Exposure</b>	<ul style="list-style-type: none"> <li>Skin Contact: May cause skin irritation.</li> <li>Skin Absorption: May be harmful if absorbed through the skin.</li> <li>Eye Contact: May cause eye irritation.</li> <li>Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.</li> <li>Ingestion: May be harmful if swallowed.</li> </ul>
<b>Signs and Symptoms of Exposure</b>	<ul style="list-style-type: none"> <li>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.</li> </ul>

## Section 12 – Ecological Information

<b>Aquatic Toxicity</b>	<ul style="list-style-type: none"> <li>Ingredient: Sodium azide</li> <li>Algae/Aquatic Plants: N/A</li> <li>Fish: <ul style="list-style-type: none"> <li>0.7: 96 h <i>Lepomis macrochirus</i> mg/L LC50</li> <li>5.46: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through</li> <li>0.8: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50</li> </ul> </li> <li>Crustacea: N/A</li> </ul>
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## Section 13 – Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

## Section 14 – Transportation Information

Not classified as dangerous. Not regulated under ICAO, IATA, DGR, US DOT, European ADR, RID, Canadian TDG.

## Section 15 – 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
- NDSL: No

## Section 16 – Other Information

The information contained in this Material Safety Datasheet is believed to be accurate but it is the responsibility of the user or supplier to determine the applicability of these data to the formulation of necessary safety precautions.

Applied Biological Materials Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Datasheet.