

# Material Safety Datasheet (MSDS)

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Version 1.1

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Applied Biological Materials Inc.

1-3671 Viking Way,

Richmond, BC, CANADA

V6V 2J5

## Section 1 – Product and Company Information

Product Name	Speedy Lentivirus Purification
Catalog # From Manufacturer	LV999
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

Substance Name	PEG-6000
CAS Number	25322-68-3
Concentration	Trade Secret.
Other Components	Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### Section 3 – Hazards Identification

<b>WHMIS Classification</b>	<ul style="list-style-type: none"><li>• Flammability: 0</li><li>• Skin Corrosion/Irritation: Category 2</li><li>• Serious Eye Damage/Eye Irritation: Category 2</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 immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

### Section 5 – Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
<b>Specific Hazards</b>	Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

### Section 6 – Accidental Release Measures

<b>Personal Precautions</b>	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
<b>Methods for Cleaning Up</b>	Sweep up and shovel into suitable containers for disposal. Avoid dust formation.
<b>Environmental Precautions</b>	Should not be released into the environment.

## Section 7 – Handling and Storage

<b>Handling</b>	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## Section 8 – Exposure Controls/ PPE

<b>Engineering Controls</b>	<ul style="list-style-type: none"><li>• None under normal use conditions.</li></ul>
<b>Personal Protective Equipment</b>	<ul style="list-style-type: none"><li>• <b>Eye Protection:</b> Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.</li><li>• <b>Skin and Body Protection:</b> Wear appropriate protective gloves and clothing to prevent skin exposure.</li><li>• <b>Respiratory Protection:</b> No protective equipment is needed under normal use conditions.</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, colourless.
<b>Odour</b>	Odorless.
<b>Melting Point (°C)</b>	55 - 60 °C
<b>Boiling Temperature (°C)</b>	No information available
<b>Density</b>	1.01
<b>Vapour Pressure</b>	<0.01 mm Hg at 20 °C
<b>Solubility in Water</b>	Miscible.
<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></ul>
<b>Hazardous Decomposition Products</b>	<ul style="list-style-type: none"><li>• Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)</li></ul>
<b>Incompatible Materials</b>	<ul style="list-style-type: none"><li>• Strong oxidizing agents</li></ul>
<b>Hazardous Polymerization</b>	<ul style="list-style-type: none"><li>• Hazardous polymerization does not occur.</li></ul>

## Section 11 – Toxicological Information

<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: May cause irritation of respiratory tract</li><li>• Ingestion: No known effect.</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>Toxicity</b>	<ul style="list-style-type: none"><li>• No data available.</li></ul>
<b>Persistence and Degradability</b>	<ul style="list-style-type: none"><li>• Soluble in water Persistence is unlikely based on information available.</li></ul>
<b>Bioaccumulative Potential</b>	<ul style="list-style-type: none"><li>• No data available.</li></ul>
<b>Mobility in Soil</b>	<ul style="list-style-type: none"><li>• Will likely be mobile in the environment due to its water solubility.</li></ul>

## Section 13 – Disposal Considerations

<b>Product</b>	<ul style="list-style-type: none"><li>• Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.</li></ul>
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## Section 14 – Transportation Information

<b>DOT</b>	<ul style="list-style-type: none"><li>• Not regulated.</li></ul>
<b>IATA</b>	<ul style="list-style-type: none"><li>• Not regulated.</li></ul>

## 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.