

Material Safety Datasheet (MSDS)

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Version 2.2

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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	Gentamicin
Catalog # From Manufacturer	G272
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	Gentamicin, sulfate
CAS Number	1405-41-0
EEC-No	215-778-9
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

WHMIS Classification	<ul style="list-style-type: none">• Health Hazard: N/A• Flammability: N/A• Reactivity: N/A
NFPA Rating	<ul style="list-style-type: none">• Health: 4• Flammability: 0• Reactivity: 0

Section 4 – First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. Immediate medical attention is required.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media	Use water Foam Carbon dioxide (CO ₂). Dry powder.
Specific Hazards	Not known

Section 6 – Accidental Release Measures

Personal Precautions	Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See section 8 for more information
Methods for Cleaning Up	Soak up with inert absorbent material.
Environmental Precautions	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

Section 7 – Handling and Storage

Handling	Always wear recommended Personal Protective Equipment. See section 8 for more information. Do not get in eyes, on skin, or on clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.
Storage	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with local regulations.

Section 8 – Exposure Controls/ PPE

Engineering Controls	<ul style="list-style-type: none">• Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	<ul style="list-style-type: none">• Eye Protection: Tight sealing safety goggles.• Skin and Body Protection: Wear suitable gloves. Wear laboratory coat for body protection.• Respiratory Protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
General Hygiene Measures	<ul style="list-style-type: none">• Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Appearance	Liquid
Odour	No data available
Melting Point (°C)	No data available
Boiling Temperature (°C)	No data available
Density	No data available
Vapour Pressure	No data available.
Solubility in Water	No data available.
Flash Point	No data available
Explosion Limits	No data available
Ignition Temperature	No data available

Section 10 – Stability and Reactivity

Stability	Stable under normal conditions.
Hazardous Decomposition Products	No known hazardous decomposition products.
Incompatible Materials	No dangerous reaction known under conditions of normal use.
Reactivity	Hazardous reaction has not been reported.

Section 11 – Toxicological Information

Route of Exposure	<ul style="list-style-type: none">• Skin Contact: May cause sensitization by skin contact• Skin Absorption: May cause sensitization by skin contact• Eye Contact: No data available• Inhalation: May cause sensitization by inhalation• Ingestion: No data available
Additional information	Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Section 12 – Ecological Information

Toxicity	The environmental impact of this product has not been fully investigated.
Persistence and Degradability	No information available.
Bioaccumulative Potential	No information available.
Mobility in Soil	No information available.

Section 13 – Disposal Considerations

Product	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.
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Section 14 – Transportation Information

TDG	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods

Section 15 – Regulatory Information

WHMIS Hazard Class: D2A - Very toxic materials

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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.