

Applied Biological Materials Inc.

Material Safety Datasheet (MSDS)

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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	G117 RNase A
Company	Applied Biological Materials Inc.
Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Technical Phone	604-247-2414
Fax	604-247-2414
Emergency Phone	866-757-2414

Section 2 – Composition/Information on Ingredient

Chemical Name	RNase A
Formula	Not available
CAS Number	9001-99-4
EEC-No	232-646-6
Molecular weight	N/A
Solubility	N/A

Section 3 – Hazards Identification

Warnings: The usual precautions taken when handling chemicals should be observed. G117 RNase A is a potential hazardous compound.

CAUTION: May cause allergic respiratory and skin reaction. May cause asthma symptoms or breathing difficulties if inhaled. Individuals with allergies or hypersensitivity to antibiotics should take caution.

Section 4 – First Aid Measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician immediately.
Skin Contact	Wash off with soap and plenty of water for at least 15 minutes and remove contaminated clothing and footwear. Wash clothes and clean shoes thoroughly before reuse. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing give artificial respiration and source

	medical attention immediately.
Ingestion	Never give anything by mouth to an unconscious person. Give plenty of water if conscious. If vomiting occurs naturally, wash mouth out. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention immediately if symptoms develop.

Section 5 – Fire Fighting Measures

Special protective equipment for fire-fighters	Wear self contained breathing apparatus for firefighting if necessary.
Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Section 6 – Accidental Release Measures

Personal precautions: Wear safety glasses, lab coat and chemical-resistant gloves.

Environmental precautions and clean-up methods: Sweep up spilled substance carefully with suitable absorbent material into suitable containers for disposal. Prevent product from entering drains. Ventilate and wash area thoroughly after clean-up.

Section 7 – handling and Storage

Handling	Avoid contact and breathing in the material. Use only in a ventilated area. Keep away from sources of ignition; wear protective clothes. Protect from light.
Storage	Keep container tightly closed in a dry and well-ventilated place. Protect from light.

Section 8 – Exposure Controls/ PPE

Engineering controls: Local exhaust ventilation, showers and eyewash stations or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respirator	Respiratory protection must be provided in accordance with current local regulations. If exposure limits are exceeded or irritation is experienced, special respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.
Hygiene	Wash hands before breaks and at the end of the work.
Gloves	Rubber or plastic.
Eye Protection	Use protective glasses with side-shields

Section 9 – Physical and Chemical Properties

Form	Solid
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Colour	White
Odour	No data available.
Melting Point	Not applicable.
Boiling Temperature (°C)	No data available.
Density	No data available.
Vapour Pressure	No data available.
Solubility in Water	Water-Soluble
Flash Point	No data available.
Explosion Limits	No data available.
Ignition Temperature	No data available.

Section 10 – Stability and Reactivity

Stability: Stable under normal, recommended conditions

Incompatible products: None known based on information supplied.

Conditions to avoid: None known based on information supplied.

Hazardous decomposition products: Carbon oxides.

Hazardous polymerisation: will not occur

Section 11 – Toxicological Information

Acute Toxicity: Sensitizer

Chronic Toxicity: None known based on information supplied.

Target organs: Kidneys

Section 12 – Ecological Information

Ecotoxicity: None known based on information supplied.

Section 13 – Disposal Considerations

Regulatory information: N/A

Waste disposal route: Can be sent to an incineration plant in accordance with all state, federal, local regulations. Clean up and dispose of waste in accordance with all state, federal, local regulations.

Section 14 – Transportation Information

UN-No.	N/A
ADR/RID	Not controlled under ADR/IATA
Proper shipping name	G117 RNase A
Notes	Product non subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).
IATA	1687
Packaging Group	II

Hazard class

No hazardous component.

Section 15 – Regulatory Information**US Federal regulations****SARA 313**

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean water act (CWA)

No chemicals are present in this product that are subject to regulation under the Clean Water Act.

International regulations

TSCA: Complies

EINECS/ELINCS: Complies

ENCS: Does not comply

IECSC: Complies

KECL: Does not comply

PICCS: Does not comply

AICS: Does not comply

CANADA**WHMIS Hazard Class**

D2A Very toxic materials

D2B Toxic materials

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.

Restrictions of use: For research use only.