

Applied Biological Materials Inc.

Material Safety Datasheet (MSDS)

Updated: 01/30/2019
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	RNaseOFF Ribonuclease Inhibitor
Product Code	G138
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	CAS-No	EINECS-No	Weight %
Glycerol	56-81-5	200-289-5	30-60

The product 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

GHS-Classification

Signal Word

Not Hazardous

Health Hazard

Not Hazardous

Physical Hazards

Not Hazardous

Principle Routs of Exposure/Potential Health Effects

Eyes May cause eye irritation with susceptible persons.
Skin May cause skin irritation in susceptible persons.
Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.

Specific Effects

Carcinogenic Effects None
Mutagenic Effects None
Reproductive Toxicity None
Sensitization None

Target Organ Effects No known effects under normal use conditions.

HMIS

Health	0
Flammability	0
Reactivity	0

Section 4 – First Aid Measures

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

Section 5 – Fire Fighting Measures

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

Section 6 – Accidental Release Measures

Personal Precautions	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors. Wear disposable coveralls and discard them after use.
Methods for Cleaning-up	Soak up with inert absorbing materials and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.
<u>Environmental Precautions</u>	Prevent further leakage or spillage if safe to do so. See Section 12 for additional information.

Section 7 – handling and Storage

Handling	Always wear recommended Personal Protective Equipment.
Storage	Keep cap tightly closed. Store at -20°C.

Section 8 – Exposure Controls/ PPE

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/m ³	None	10 mg/m ³	None

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent of the user institution's risk assessment, and are

Respirator	Wear Suitable respiratory equipment if ventilation is insufficient.
Ventilation	Extraction hood.
Gloves	Compatible chemical-resistant gloves.
Eye Protection	Compatible safety goggles
Other Precautions	Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Form	Liquid
Colour	Colourless
Odour	Odourless
Melting Point	Not applicable.
Boiling Temperature (°C)	No data available.
Density	No data available.
Vapour Pressure	No data available.

Solubility in Water	Soluble in water
pH Range	7.5
Explosion Limits	No data available.
Ignition Temperature	No data available.

Section 10 – Stability and Reactivity

Stability	Stable under normal conditions.
Materials to Avoid:	No dangerous reaction known under normal conditions.
Hazardous Decomposition Products	None under normal conditions.
Hazardous Polymerization	Does not occur.

Section 11 – Toxicological Information

Acute Toxicity

Chemical Name	LD (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerol	= 12600 mg/kg Oral	No data available	No data available

Principle Route of Exposure/ Potential Health Effects

Eye May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons.

Inhalation May be harmful by inhalation.

Ingestion May be harmful if swallowed.

Carcinogenic Effects None

Mutagenic Effects None

Reproductive Toxicity None

Sensitization	None
Target Organ Effects	No known effects under normal use conditions.

Section 12 – Ecological Information

Ecotoxicity Effects	Daphnia magna (Water Flea).				
Mobility	see log Pow.				
Biodegradation	Inherently biodegradable.				
Bioaccumulation	Does not bioaccumulate.				
Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	Log Pow
Glycerol 56-81-5	-	Daphnia magna EC50>500mg/L (24h)	-	-	logPow-1.76

Section 13 – Disposal Considerations

Dispose of in accordance with local regulations.
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Section 14 – Transportation Information

<u>IATA</u>	
Proper Shipping Name	Not classified as dangerous under the transport regulations.
Hazard Class	None
Subsidiary Class	None
Packing Group	None
Un-No	None

Section 15 – Regulatory Information

Component	TSCA
Glycerol 56-81-5 (30-60)	Listed

U.S. Federal Regulations

SARA 313

Not Regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

Contains no HAPs.

U.S. State Regulations

Chemical Name	Massachusetts-RTK	New Jersey-RTK	Pennsylvania-RTK	Illinois-RTK	Rhode Island-RTK
Glycerol	Listed	-	Listed	-	Listed

California Proposition 65

Contains no chemical listed under Proposition 65.

Canadian Regulations

WHMIS Hazard Class

Not controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required

by the CPR

Section 16 – Other Information

DISCLAIMER: For R&D use only. Not for drug, household or other uses.

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.