



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2022  
Date Updated: July 14, 2022

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

**Product Name** RNase Inhibitor  
**Product Code(s)** RB0478  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.  
**Address** 20 Konrad Crescent, Markham, Ontario,  
Canada, L3R 8T4

**Telephone** (905) 474 4493  
**Fax** (905) 474 5794  
**For Chemical Emergency Phone#** (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of the substance or mixture

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

**Hazards not otherwise classified (HNOC) or not covered by GHS** – none

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Glycerol	200-289-5	56-81-5	40-70

## 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 immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation** Not expected to be an inhalation hazard under anticipated condition for normal use. If you feel unwell, see medical advice.

**Ingestion** Clean mouth with water and afterwards drink plenty of water. If you feel unwell, seek medical advice.

**Notes to Physician** Treat symptomatically.

**SECTION 5. ----- FIRE FIGHTING MEASURES -----**

**Flammable Properties** Not flammable.

**Flash Point** Not determined

**Suitable Extinguishing Media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Hazardous Combustion Products** Nine known

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Soak up with inert absorbent material.

**SECTION 7. ----- HANDLING AND STORAGE-----**

**Handling** Handle in accordance with good industrial hygiene and safety practice.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Specific end use(s)** For research use only.

**SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----**

<b>Chemical Name</b>	<b>OSHA PEL</b>
Glycerol	15 mg/m <sup>3</sup>
56-81-5	5 mg/m <sup>3</sup>

**Engineering Measures** Ensure adequate ventilation.

**Personal Protective Equipment**

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----**

Appearance	Liquid
Odor	No information available
Odor Threshold	No information available
Decomposition Temperature °C	No information available
Freezing Point	No information available
Initial Boiling Point	No information available
Physical State	Liquid
pH	No data available
Flash Point	Not determined
Autoignition Temperature	No data available
Boiling Point/Range	No data available
Melting Point/Range	No data available
Flammability Limits in Air	No data available
Explosive Properties	No information available
Oxidizing Properties	No information available
Evaporation Rate	No data available
MMHG @ 37.8 C	No data available
Vapor Density	No data available
Specific Gravity	No data available
Solubility	Soluble in water
Partition Coefficient (n-octanol/water)	No data available
Viscosity	No information available

**SECTION 10. -----STABILITY AND REACTIVITY -----**

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong acids. Oxidizing agent. Potassium. Isocyanates. Ammonia. Bases.
Conditions to Avoid	None known based on information supplied.
Hazardous Decomposition Products	Carbon oxides.
Possibility of hazardous reactions	<b>Hazardous reaction has not been reported.</b>

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

**Acute Toxicity**

Product Information	Irritating to eye, skin and respiratory system.
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerol	12600 mg/kg	No data available	>570mg/m <sup>3</sup> (Rat)

### Chronic Toxicity

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** None known.

### SECTION 12. ----- ECOLOGICAL INFORMATION -----

#### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other aquatic invertebrates
Glycerol	No data available	No data available	Daphnia magna EC50>500 mg/L (24h)

Chemical Name	Log Pow
Glycerol	= -1.76

**Mobility in soil** No information available.

**Persistence and degradability** Inherently biodegradable.

**Bioaccumulative potential** Material does not bioaccumulate.

#### **Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** No information available.

### SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

**Waste Disposal Method** The generation of waste should be avoided or minimized wherever possible.

**Contaminated Packaging** Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to 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

### SECTION 14. ----- TRANSPORT INFORMATION -----

#### **IATA / ADR / DOT-US / IMDG**

Not classified as dangerous in the meaning of transport regulations

### SECTION 15. ----- REGULATORY INFORMATION -----

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

**SECTION 16. ----- OTHER INFORMATION-----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 14-July-2022

**End of SDS**