



# SAFETY DATA SHEET

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

Version: 2020  
Date Updated: May 08, 2020

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

Product Name SARS-CoV-2 RT-PCR Detection Kit (COVID-19)  
Product Code(s) COV-2-RTPCR  
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 -----

### GHS-Classification

Signal Word  
Not Hazardous

Health Hazard  
Not Hazardous

Physical Hazards  
Not Hazardous

### Principle Routes of Exposure/Potential Health Effects

Eyes May cause eye irritation.  
Skin May cause skin irritation.  
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.

### WHMIS

Health	0
Flammability	0
Reactivity	0

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

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 4. ----- FIRST-AID MEASURES -----**

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
<b>Skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Notes to physician</b>	Treat symptomatically.

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

<b>Suitable extinguishing media</b>	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special protective equipment for fire-fighters</b>	Wear self-contained breathing apparatus for firefighting if necessary. Prevent contact with skin and eyes.
<b>Unusual Fire and Explosions Hazard(s)</b>	N/A
<b>Flash Point</b>	N/A
<b>Autoignition Temp</b>	N/A
<b>Flammability</b>	N/A

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

<b>Personal Precautions</b>	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors. Wear disposable coveralls and discard them after use.
<b>Methods for Cleaning-up</b>	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.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. See section 12 for additional information.

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

<b>Handling</b>	Avoid contact with skin, eyes, and clothing. Always wear recommended Personal protective equipment. No special handling required.
<b>Storage</b>	Keep cap tightly closed. Store at -20°C.

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

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/m <sup>3</sup>	None	10 mg/m <sup>3</sup>	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 specific to the risk assessment for each laboratory where this material may be used.

<b>Respiratory Protection</b>	Wear Suitable respiratory equipment if ventilation is insufficient.
<b>Hand</b>	Compatible chemical-resistant gloves.
<b>Eye</b>	Compatible safety goggles.
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

### Environmental Exposure Controls

Prevent product entering drains

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

### General Physical Properties

<b>Form</b>	Liquid
<b>Appearance</b>	No data available
<b>Odor</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Melting Point/Range</b>	No data available
<b>Flash Point</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Solubility</b>	No data available
<b>pH Range</b>	No data available

## SECTION 10. ----- STABILITY AND REACTIVITY -----

<b>Stability</b>	Stable under normal conditions.
<b>Materials to Avoid</b>	No dangerous reaction known under normal conditions.
<b>Hazardous Decomposition Products</b>	None under normal conditions.
<b>Hazardous Polymerization</b>	Not known to occur under normal conditions.

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

### Acute Toxicity

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

### Principle Route of Exposure/Potential Health Effects

<b>Eye</b>	May cause eye irritation.
<b>Skin</b>	May cause skin irritation.

**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** No information available.  
**Mobility** No information available.  
**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.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**IATA**

**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 -----**

Chemical Name	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-----**

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.

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**End of SDS**