

# Material Safety Data Sheet

## 1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name: COVID-19 RT-qPCR Detection Kit

Product Code: QP019-0100

Use of the preparation: For laboratory use.

Company identification: BIO-HELIX Co., LTD.

Site: <http://www.bio-helix.com>

E-mail: [info@bio-helix.com](mailto:info@bio-helix.com)

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients:

Name	CAS No.	Concentration (%)
Glycerol	56-81-5	Considered non-hazardous to health at its given concentration.
COVID-19 Primers	N/A	Considered non-hazardous to health at its given concentration.
COVID-19 Probes	N/A	Considered non-hazardous to health at its given concentration.
RT-qPCR Enzyme Mix	N/A	Considered non-hazardous to health at its given concentration.

## 3. HAZARDS IDENTIFICATION

GHS Classification: Not a hazardous substance or mixture.

GHS Label element: Not a hazardous substance or mixture.

Other hazards which do not result in classification: No information available.

## 4. First Aid Measures

General advice: Show this safety data sheet to the doctor in attendance.

Ingestion: If accidentally swallowed, obtain immediate medical attention. Rinse mouth with water.

Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. Move to fresh air. If symptoms persist, call a physician.

Eye Contact: Remove contact lenses and Protect unharmed eye. 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 while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: No information available.

Notes to physician: No information available.

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

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Specific hazards during firefighting: Exposure to decomposition products may be a hazard to health.

Hazardous combustion products: No hazardous combustion products are known

Specific extinguishing methods: In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Protective equipment and emergency procedures: Use personal protective equipment.

Avoid breathing dust / fume / gas / mist / vapors  
/ spray.

Clean-up Measures: Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

Handling: Always wear recommended Personal Protective Equipment. Wear personal protective equipment.

Storage: Keep in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls: Prevent product from entering drains.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye Protection: Safety glasses

Skin Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals

Hygiene Practices: Keep away from food and drink. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Form: Liquid.

Odor: Characteristic.

Chemical Properties

Melting point/Melting range: No data available

Boiling point/Boiling range: No data available

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Flash Point: No data available

Autoignition temperature: No data available

Evaporation rate: No data available.

Explosive Properties: No data available.

Relative Density: No data available.

Solubility in Water: No data available.

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Hazardous decomposition products: None under normal use conditions.

Reactivity:

Possibility of hazardous reactions: Hazardous reaction has not been reported.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)
Glycerol	12,000 mg/kg Oral LD <sub>50</sub>	10,000 mg/kg Dermal LD <sub>50</sub>

Principle Routes of Exposure/Potential Health effects

Eyes: May irritate eyes.

Skin: May cause skin irritation in susceptible persons.

Inhalation: No data available.

Carcinogenic effects: No data available.

Reproductive toxicity: No data available.

Sensitization: No data available.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available to fish, algae, and bacteria.

Bioaccumulation: No information available.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data
Glycerol	-	Daphnia magna LC <sub>50</sub> >250mg/L (48 h)	-	-

## 13. DISPOSAL CONSIDERATIONS

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## 14. TRANSPORT INFORMATION

IATA

Proper Shipping Name: Not classified as dangerous in the meaning of transport regulations.

Hazard Class: None

Subsidiary class: None

Packing group: None

UN-No: None

## 15. OTHER INFORMATION

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Bio-Helix Co., Ltd. cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this SDS does not constitute a warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.