

ExCell Bio

OptiVitro® Recombinant Trypsin Digestive Solution RF01 **Material Safety Data Sheet**



| SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Information

Product Name	Cat.#
OptiVibro® Recombinant Trypsin Digestive Solution RF01	RF000-N03#

Company Identification

Company: Suzhou ExCell Biotechnology Co., Ltd.

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| SECTION 2: HAZARDS IDENTIFICATION

Hazard Category According to GHS

Referring to Regulation (EC) 1272 / 2008 [GHS], the mixture is non-hazardous.

Label Elements According to GHS

Referring to Regulation (EC) 1272 / 2008 [GHS], the mixture is non-hazardous.

Physical And Chemical Hazards

Current information is not physically or chemically dangerous.

Health Effects

Current information available, no health hazards.

Environmental Hazards

Current information available, no environmental hazards.

Other Hazards

No data available.

| SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain health hazardous substances at its given concentration. We recommend that all chemicals should be treated with caution.

| SECTION 4: FIRST AID MEASURES

Description of The Necessary First-Aid Measures

The Harm to Human Body	First Aid
Inhalation	Move the person to fresh air and seek medical attention for persistent clinical symptoms.
By skin contact	Remove the contamination immediately and rinse with soap and water. If irritation persists, seek medical attention.
By eye contact	Flush eyes with plenty of water for more than 15 minutes, seek medical attention.
By ingestion/aspiration	This substance is intended to be used under normal conditions of use and does not present a danger of ingestion. If swallowed, contact a Poison Control Center or seek medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel.

The Most Important Acute or Late-Onset Symptoms And Health Effects

Not applicable.

Instructions And Instructions for Prompt Medical Treatment And Special Treatment Required

No data available.

Special Tips to The Doctor

No data available.

| SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media

Applicable extinguishing Media: Water, Alcohol-resistant foam, carbon dioxide or dry chemical as suitable for surrounding materials.

Inappropriate extinguishing media: No data available.

Particular Hazard Arising From This Substance or Mixture

Harmful combustion products: oxycarbide , sodium oxide, hydrogen chloride.

Fire Fighting Precautions And Protective Measures

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus(SCBA).

Avoid spillage of the products used to extinguish the fire into anaqueous medium. prevent contamination of surface and groundwater systems by fire fighting water.

| SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

Avoid eye and skin contact.

Wear personal protective equipment.

Environmental Precautions

Keep product away from drains.

Methods and Material for Containment And Cleaning Up

In safe condition, to prevent further leakage and overflow, absorb the spillage using inert absorbent and collect into marked containers. Clean the contaminated surface thoroughly and rinse with water to remove the traces.

Reference to Other Sections

For discard processing, see section 13.

| SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment to avoid contact with your eyes, skin, and clothing. Avoid inhaling fog or vapor. Ensure ventilation.

Storage

Storage conditions: 2-8°C, light avoidance environment.

| SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

There are no occupational exposure limits for the substances contained in the product.

Engineering Control

Ensure adequate ventilation, especially in confined areas.

Exposure Control

1. Appropriate technical control measures:

Change the contaminated clothes, and the clothes should be cleaned before being used again. It is recommended to clean the equipment, work areas and protective clothing regularly.

2. Individual protective equipment:

To Protect	Protective Equipment
Eyes	Tight-sealing protective goggles
Skin and body	Wear appropriate protective clothing
Respiratory tract	In the case of insufficient ventilation, wear standard respiratory devices and components tested by government standards
Hands	Wear appropriate gloves which shall be resistant to appropriate chemical agents
Hygiene	According to good industrial hygiene and safety practices
Control of the environmental exposure	Non-applicable

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Item	Result
Physical state	Liquid
Odour	No data available
Odour threshold	No data available
pH	6.90-7.40
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solids, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Information on Basic Physical And Chemical Properties

Other Security Information

No data available.

| SECTION 10: STABILITY AND REACTIVITY

Chemical Stability

This product is chemically stable under standard ambient conditions (room temperature).

Possibility of Hazardous Reactions

The polymerization reaction does not occur.

Conditions to Avoid

Avoid light and high temperature.

Incompatible Materials

Strong oxidant, strong acid, strong alkali.

Hazardous Decomposition Products

See section 5 for details.

No hazardous decompositions under conventional conditions.

| SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Item	Result
Acute toxicity	No data available
Inhalation	No known hazards under normal conditions
Skin corrosion/irritation	No known hazards under normal conditions
Serious eye damage/eye irritation	No known hazards under normal conditions
Ingestion	No known hazards under normal conditions
Carcinogenicity	This product has no known carcinogen
Breathing or skin allergy	Unknown
Toxicity to reproduction	Unknown
Germ-cell mutagenicity	Unknown
Specific target organ system toxicity (primary contact)	No data available
Specific target organ system toxicity (repeated exposure)	No data available

Additional Instructions

Registration of the toxic effects of chemical substances:

Not available.

The nature of the hazard cannot be excluded, but it should not cause major hazards under the correct treatment.

| SECTION 12: ECOLOGICAL INFORMATION

Ecological Toxicity

Not available

Persistence And Degradability

Not available

Bioaccumulative Potential

Not available

Mobility In Soil

Not available

Results of PBT And vPvB Assessment

PBT / vPvB assessment is not available as chemical safety assessment is not required.

Other Adverse Effects

Not described

| SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Give the remaining products and non-recyclable solution, containers to a licensed company for disposal.

| SECTION 14: TRANSPORT INFORMATION

UN Number		
ADR/RID:-	IMDG:-	IATA:-
UN Proper Shipping Name		
ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
Transport Hazard Class(Es)		
ADR/RID:-	IMDG:-	IATA:-
Packaging Group		
ADR/RID:-	IMDG:-	IATA:-
Environmental Hazards		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no
Special Precautions For User		
no data available		
Incompatible Materials		
no data available		
Further Information		
This product is not classified as hazardous according to transportation regulations.hazardous according to transportation regulations.		

| SECTION 15: REGULATORY INFORMATION

International Catalogue

TSCA

United States Toxic Substances Control Act Section 8 (b) Inventory

No data available

EINECS / ELINCS

European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

No data available

AICS

Australian Inventory of Chemical Substances

No data available

China

List of existing chemicals in China

No data available

| SECTION 16: OTHER INFORMATION

The above information is obtained after rigorous investigation, and suggestions are made after careful judgment. This information should be used as a guide but not be considered to summarize everything. All materials and mixtures may have unknown hazards and should be noted when used. Since the Company cannot control the actual method, quantity or condition of use, the Company shall not be liable for any injury or damage caused by handling or contacting the products described in this document. The information contained in this safety data sheet does not constitute an express or implied warranty, including any implied warranty of merchantability or fitness for any particular purpose.

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