Material Safety Data Sheet

MSDS / SDS

Product name: Conotoxin Powder

Prepared in accordance with GB/T16483 and GB/T 17519.

Creation date:2024-10-25

Revision date:-

Version:1.0

Part 1: Chemicals and Enterprise Identification

Product Information

Chinese Name:芋螺环肽粉末

English Name:Conotoxin Powder

International Nomenclature Cosmetic Ingredient:ARGININE/LYSINE POLYPEPTIDE

CAS RN: 31014-78-5

Provider Information

Enterprise Name: Shanghai Jocheng Biotechnology Co., Ltd

Enterprise Address: Fifth floor,Technology Entrepreneurship Building,659 Maoyuan Road,Fengxian District,Shanghai.

Enterprise Phone: +86 13917414226

Part 2: Hazard Overview

Emergency Situation Overview

Swallowing may be harmful.Consult a doctor. Show this safety data sheet to the doctor on site. If you feel unwell, call the emergency center/doctor. If breathing stops,give artificial respiration and call the emergency center/doctor.

GHS Hazard Category

No data.

GHS Label Elements,Including Precautionary Statements

Pictogram:No data.

Signal Words:No data.

Danger Declaration

Under normal conditions,there is no danger when in use.

Physical and Chemical Hazards

At present,there is no physical or chemical danger in the information available.

Health Hazards

Inhale Inhalation of the substance may cause harmful health effects or respiratory discomfort.

Ingestion Accidental ingestion of this product may be harmful to individual health.

Skin contact The penetration through cuts, abrasions, or lesions may cause physical damage if absorbed into the bloodstream.

Eye Direct eye contact with the product may cause temporary discomfort.

Environmental Hazards

At present, the information is available, and there is no environmental hazard.

Other Hazards

Not.

Part 3: Composition/Composition Information

Component	Concentration	CAS RN
ARGININE/LYSINE POLYPEPTIDE	99-99.9% (w/w)	31014-78-5

Part 4: First Aid Measures

Description of First Aid Measures

General recommendations Consult your doctor. Present this safety data sheet to the doctor who is present at the scene.

Skin-to-skin contact Under normal circumstances, it is non-hazardous. No emergency treatment is required.

Eye contact As a precaution, rinse the eyes with water. If discomfort occurs, seek medical attention.

Ingestion Do not give anything by mouth to an unconscious person. Rinse the mouth with water. Consult a doctor.

inhale If inhaled, move the patient to fresh air. If breathing is difficult, oxygen is given.

Protection for Ensure that healthcare workers understand the hazard characteristics of the product and

first responders	take self-protective measures to protect themselves and prevent the spread of contamination

The Most Important Symptoms and Health Effects

See Part 11.

Advice for Protecting Rescuers

Remove all sources of ignition and enhance ventilation..

Avoid contact with skin and eyes.

Avoid inhaling vapors.

Use protective equipment, including breathing masks.

Special Tips for Doctors

Treatment is tailored to the symptoms present.

There may be a delay in paying attention to symptoms.

Part 5: Fire Protection Measures

Fire Extinguishant

Suitable Extinguishing Media: Use non-conductive media.

Unsuitable Extinguishing Media: No known incompatibilities.

Particularly Hazardous from The Substance or Mixture

Harmful flammable gases or vapors may be generated in case of fire.

Fire Extinguishing Precautions and Protective Measures

If necessary, wear a self-contained breathing apparatus for fire-fighting operations.

Move containers from the fire to an open area as much as possible.

Containers in the middle of a fire must be evacuated immediately if they have changed color or emitted a sound from the safety pressure relief device. Isolate the scene of the accident and prohibit unrelated personnel from entering.

Containment and treatment of fire water to prevent environmental pollution.

Part 6:Emergency Handling of Spills

Personnel Protective Measures, Protective Equipment and Emergency Response Procedures

It is recommended that emergency response personnel wear self-contained breathing apparatus, anti-static clothing, and rubber oil-resistant gloves.

Do not touch or cross the spill.

All equipment used for the job should be grounded.

Cut off the source of the leak as much as possible.Eliminate all ignition sources.

Delimit a warning zone based on the affected area of liquid flow, vapor or dust diffusion, and evacuate irrelevant personnel to a safe area from the crosswind and upwind directions.

Environmental Protection Measures

There are no special environmental prevention requirements.

Methods Of containment and Removal Of spilled Chemicals and Disposal Materials Used

Cut off the source of the leak as much as possible.

The leak site is exposed to ventilation.

Attachments or collections should be stored in suitable airtight containers and disposed of in accordance with relevant local laws and regulations

Refer to Other Sections

See Section 13 for discard handling.

Part 7:Handling,Disposal and Storage

Precautions for Safe Operation

Operate in a well-ventilated place.

Wear appropriate personal protective equipment.

Avoid direct contact with skin and eyes.

Keep away from heat,sparks,open flames, and hot surfaces.

Precautions for Storage

Store in a cool and well-ventilated warehouse.

It should be stored separately from oxidants and edible chemicals, and should not be mixed（see Part 10 for prohibited ingredients).

Keep the container tightly sealed.

Keep away from fire and heat sources.

The warehouse must be equipped with lightning protection equipment.

The exhaust system should be equipped with a grounding device to dissipate static electricity.

Explosion-proof lighting and ventilation are adopted.

It is forbidden to use equipment and tools that are prone to sparks

The storage area should be equipped with emergency response equipment for spills and suitable containment materials.

Part 8:Exposure Control/Personal Protection

Occupational Exposure Limits

Phenoxyethanol:

No data available.

Biological Limitations

No data available.

Monitoring Methods

EN 14042 Guidelines for Procedures for the Use of Workplace Air for the Assessment of Exposure to Chemical or Biological Reagents.

GBZ/T 300 series standard workplace air toxic substance determination.

Engineering Controls

It is recommended that the workplace be separated from other workplaces.

Operate in a closed manner to prevent leakage.

Enhance ventilation.

Install automatic alarm devices and emergency ventilation facilities.

Set up emergency evacuation routes and necessary danger relief areas.

Install red warning lines, warning signs, and Chinese warning instructions, as well as a communication and alarm system.

Provide safety showers and eye wash equipment.

Personal Protective Equipment

General Requirements	No specific requirements. Refer to the following descriptions.
Eye Protection	Ordinarily, no eye protection is required. When exposed to vapor/dust during production, chemical goggles should be worn.
Hand Protection	Ordinarily, no hand protection is required.
Respiratory Protection	Ordinarily, no respiratory protection is required. If the concentration of

	vapor/dust exceeds the occupational exposure limit or symptoms such as irritation occur, a dust mask or gas mask should be worn.
Skin and Body Protection	Ordinarily, no skin and body protection is required.

Part 9: Physicochemical properties

Appearance and properties:	white or light yellow powder
Smell:	odorless
pH:	7.5-8.5
HPLC purity:	≥95.0%
Flammability (solid, gas):	No data available
Boiling point, initial boiling point and boiling range (℃):	No data available
Melting point/freezing point (℃):	No data available
Relative density (with water as 1):	No data available
Odor threshold (mg/m³):	No data available
Solubility:	Easily soluble in water

Part 10: Stability and Reactivity

Stability

Stable under normal storage conditions.

Hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible substances

Strong oxidizing agents

Hazardous decomposition products

Under normal storage and usage conditions, no hazardous decomposition products will be generated.

Part 11: Toxicological information

Acute Toxicity

No data available

Carcinogenicity

Component	IARC Carcinogen Classification List	NTP Carcinogen Report
ARGININE/LYSINE POLYPEPTIDE	Not listed	Not listed

Other information

Arginine/lysine polypeptide (component)	
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Skin sensitization	No data available
Respiratory sensitization	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Inhalation hazard	No data available

Germ cell mutagenicity	No data available
Additional hazards of reproductive toxicity	No data available

Part 12: Ecological Information

Acute aquatic toxicity

No data available

Chronic aquatic toxicity

No data available

Persistence and degradability

No data available

Bioaccumulation potential

No data available

Mobility in soil

No data available

Evaluation of results for PBT and vPvB

The PBT/vPvB assessment is not available as the chemical safety assessment was not required/conducted.

Part 13: Disposal

Waste Chemicals

Hand over the remaining and non-recyclable solutions to a licensed company for disposal.

Contaminated Packaging

Dispose of as unused product.

Part 14:Shipping Information

United Nations Dangerous Goods Number

ADR (European Road Transport Regulations): -

IMDG Code (International Maritime Dangerous Goods Code): -

IATA Dangerous Goods Regulations (International Air Transport Regulations): -

UN-designated Name

ADR: Non-dangerous goods

IMDG Code: Non-dangerous goods

IATA Dangerous Goods Regulations: Non-dangerous goods

Transport Hazard Class

ADR (European Road Transport Regulations): -

IMDG Code (International Maritime Dangerous Goods Code): -

IATA Dangerous Goods Regulations (International Air Transport Regulations): -

Packing Group

ADR (European Road Transport Regulations): -

IMDG Code (International Maritime Dangerous Goods Code): -

IATA Dangerous Goods Regulations (International Air Transport Regulations): -

Environmental Hazard

ADR (European Road Transport Regulations): No

IMDG Code (International Maritime Dangerous Goods Code): No

IATA Dangerous Goods Regulations (International Air Transport Regulations): No

Special Reminders to Users

No data available

Part 15: Regulatory Information

Regulations/legislations specifically regarding the safety, health and environment of this substance or mixture.

Please note that waste disposal should also comply with local regulations.

Part 16: Additional Information

None.

Disclaimer:

The information in this MSDS applies only to the specified product. Unless otherwise specified, it is not applicable to mixtures of this product with other substances or similar situations.
This MSDS is only intended to provide safety information on the use of the product to those users who have

received appropriate professional training. Users of this MSDS must make an independent judgment on the applicability of this MSDS.