β-cyclodextrine safety data sheet (MSDS)

Module 1. Chemicals

1.1 Product Name: β-cyclodextrine

1.2 Product category: β-cyclodextrine

1.3 Manufacturer: JIANGSU OGO BIOTECH CO., LTD

Module 2. Hazard overview

2.1 GHS classification: it is not a hazardous substance or mixture according to the provisions of the global coordinating system (GHS).

2.2 Other hazards - none

Module 3. Composition / composition information

3.1 Substance: Beta cricoid dextrin

Molecular formula: $C_{56}H_{98}O_{35}$

Molecular weight: 1331.36

Module 4. First aid measures

4.1 Description of necessary first aid measures

Inhalation: if inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration.

Skin contact: rinse with water.

Eye contact: wash eyes with water as a precaution.

Ingestion: if it causes gastrointestinal irritation, gargle with water.

4.2 Main symptoms and effects, acute and delayed effects: this chemical, physical and toxic property has not been fully studied.

4.3 Instructions and instructions for timely medical treatment and special treatment required: none

Module 5. Fire protection measures

5.1 Extinguishing medium: extinguishing method and extinguishing agent: using water mist, anti alcohol foam, dry powder or carbon dioxide to

extinguish fire.

5.2 A particular hazard from this substance or mixture: carbon oxides

5.3 Advice for firefighters: wear self-contained breathing apparatus if necessary.

5.4 Further information: none

Module 6. Leakage Emergency Treatment

6.1 Protective measures, protective equipment and emergency disposal procedures for operators: avoid dust generation. Avoid inhaling vapor, smoke or gas.

6.2 Environmental protection measures: do not let the product enter the sewer.

6.3 Storage and removal methods of leaked chemicals and disposal materials used: sweep and shovel. Place in a suitable closed container for disposal.

6.4 Refer to other parts: for discard processing, refer to module 13.

Module 7. Handling and storage

7.1 Precautions for safe operation: provide appropriate exhaust equipment in places where dust is generated.

7.2 Conditions for safe storage, including any incompatibility: sealed and kept in a dry place.

7.3 Specific use: None

Module 8. Exposure control and personal protection

8.1 Permissible concentration: maximum permissible concentration: there is no known national exposure limit.

8.2 Exposure control: appropriate technical control, routine industrial hygiene operation.

Personal protective equipment: wear protective work clothes.

Eye / face protection: wear protective glasses with side mask.

Skin protection: wear protective gloves, which must be checked before use.

Body protection: choose body protection measures according to the type, concentration and amount of the substance, as well as the specific workplace. The type of protective equipment must be selected according to the concentration and quantity of the substance in the specific workplace.

Respiratory protection: no need to protect breathing. To protect against dust damage, use a dust mask.

Module 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Character: White crystalline or crystalline powder

b) Specific rotation: +160° ~+164°

c) Loss on drying: ≤14%

d) Residue on ignition: ≤0.1%

E) Reducing sugar: ≤1.0%

Module 10. Stability and reactivity

10.1 Reactivity: none

10.2 Stability: stable

10.3 Risk reaction: none

10.4 Conditions to avoid: water, high heat, open fire, chemical reaction

10.5 Incompatible substances: strong oxidants

10.6 Hazardous decomposition products: None

Module 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity: median lethal dose (LD50) orally - rats - 18,800 mg/kg

Subacute and chronic toxicity: none

Inhalation: may be harmful by inhalation. May cause respiratory tract irritation.

Skin: absorption through the skin can be harmful. May cause skin irritation.

Eyes: may cause eye irritation.

Symptoms and signs after exposure: this chemical, physical and toxic property has not been fully studied.

Module 12. Ecological information nothing

Module 13. Disposal

The remaining and non recyclable solutions are disposed of by a licensed company, mixed with or dissolved in flammable solvents, and the contaminated containers and packages are burned in a chemical incinerator equipped with post combustion treatment and scrubbing.

Module 14. Transportation information

14.1 Packaging method

The inner package can be made of polyethylene plastic bags which meet the requirements of pharmaceutical packaging materials; the outer package can be made of corrugaled case 、 woven bags or three-in-one paper-plastic composite bag with internal and external integration.

14.2 Precautions for transportation: the means of transportation should be clean and free of peculiar smell, and the light loading, light unloading, rain proof and sunscreen should be paid attention to during transportation.

Module 15. Laws and regulations nothing

Module 16. Other information nothing