

SDS Safety Date Sheet**1. Chemical Product and Company Identification**

Product name : α 2,3-Sialylglycopeptide
Product code : 171803
Manufacturer/Supplier name : Fushimi Pharmaceutical Co., Ltd.
Address : 307 Minatomachi, Marugame, Kagawa 763-0042
Telephone number : 81-87-899-7743
Fax number : 81-877-22-6280
E-mail address : info@fushimi.co.jp
Emergency telephone number : 81-3-6361-9121

2. Hazards Identification

GHS classification
Physical hazards : Not available
Health hazards : Not available
Environmental hazards : Not available

Allocation of Label Elements

Hazard symbols : Not available
Signal word : Not available
Hazard statements : Not available
Precautionary statements : Not available
Other hazards : Not available

3. Composition/Information on Ingredients

Substance/mixture : Substance
Chemical name : α 2,3-Sialylglycopeptide
Contents : >95.0 % (HPLC)
CAS No. : -
Synonym : α 2,3-Sialylglycopeptide
Chemical formula : $C_{112}H_{189}N_{15}O_{70}$
Molecular weight : 2865.78

4. First Aid Measures**After inhalation :**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

After skin contact :

In case of contact, immediately wash skin with soap and copious amounts of water.

After eye contact :

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention.

After ingestion :

If swallowed, wash out mouth with water provided person is conscious. Get medical attention.

5. Fire Fighting Measures**Extinguishing media :**

Suitable: Water spray, dry chemical powder.

Prohibited extinguishing media :

Date not available.

Specific hazards arising from the chemical :

Emits toxic fumes under fire conditions.

Special protective equipment and precautions for fire-fighters :

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

Personal precautions :

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Environmental precautions :

Do not let product enter the drains.

Methods for cleaning up :

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and Storage

Handling :

Handle with appropriate personal protective equipment under ventilation.

Avoid inhalation. Avoid contact with eyes, skin, and clothing.

Wash thoroughly after handling.

Storage :

Store in Freezer. The container tightly closed.

Avoid heat and humidity. Store in a separate from oxidizing agents.

8. Exposure Controls /Personal Protection

Control Parameters :

Date not available.

Engineering controls :

Safety shower and eye bath. Mechanical exhaust required.

General hygiene measures :

Wash thoroughly after handling.

Personal protective equipment :

Respiratory protection : Wear dust mask.

Hand protection : Wear appropriate protective gloves.

Eye protection : Wear appropriate protective eyeglasses or chemical safety goggles.

Skin protection : Wear appropriate protective gloves.

9. Physical and Chemical Properties

Appearance : White powder

Odor : Odorless

pH : Not available

Melting point/freezing point : Not available

Boiling point/range : Not available

Flash point : Not available

Evaporation Rate : Not available

Flammability or explosive limits : Not available

Vapor pressure : Not available

Vapor Density : Not available

Relative density : Not available

Solubility : Not available

Log Pow : Not available

Spontaneous ignition temperature : Not available

Decomposition temperature : Not available

Viscosity : Not available

10. Stability and Reactivity

| | |
|--|--|
| Reactivity | : Special reactive has not been reported. |
| Chemical Stability | : This product is stable under normal conditions of handling and storage. |
| Possibility of Hazardous Reaction | : Under fire conditions, harmful decomposition products such as carbon monoxide and nitrogen oxide might be generated. |
| Conditions to avoid | : Extremely high temperature. All heat sources (hot, spark, and flame). |
| Incompatible materials | : Strong oxidizing agents |
| Hazardous decomposition products | : Under fire conditions, harmful decomposition products such as carbon monoxide, carbon dioxide and nitrogen oxide might be generated. |

11. Toxicological Information

| | |
|--|-----------------|
| Routes of Exposure | : Not available |
| Symptoms | : Not available |
| Toxicity | |
| Acute toxicity | : Not available |
| Skin irritation/corrosion | : Not available |
| Serious eye damage/irritation | : Not available |
| Respiratory or skin sensitization | : Not available |
| Reproductive cell mutagenicity | : Not available |
| Carcinogenicity | : Not available |
| Reproductive toxicity | : Not available |
| Specific target organ toxicity (single exposure) | : Not available |
| Specific target organ toxicity (repeated exposure) | : Not available |
| Aspiration hazard | : Not available |

12. Ecological Information

| | |
|---|-----------------|
| Ecotoxicity | |
| Fish Toxicity | : Not available |
| Earthworm Toxicity | : Not available |
| Algal Growth Inhibition Test | : Not available |
| Acute Immobilization Test | : Not available |
| Persistence/degradability | : Not available |
| Bioaccumulative potential | : Not available |
| Mobility in soil | : Not available |
| Results of PBT and vPvB Assessment | : Not available |
| Other adverse effects | : Not available |

13. Disposal Considerations

Observe all federal, state, and local environmental regulations. Do not dump this product into sewers, on the ground or into any body of water. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

| | |
|----------------------|----------------------------|
| UN Number | : Not listed |
| Shipping Name | : - |
| Hazard Class | : - |
| Packing Group | : No information available |
| Hazard Labels | : No information available |

IMO : Non-hazardous material
IATA : Non-hazardous material
RID/ADR : Non-hazardous material

15. Regulatory Information.

TSCA : -
ENCS : -
ISHL : -

Please refer to any other federal, state and local regulations.

16. Other Information

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Fushimi Pharmaceutical Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Disclaimer

For R&D use only. Not for drug, household or other uses.