



# Laminaripentaose

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Laminaripentaose  
Product code : O-LAM5

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Use as laboratory reagent

#### 1.3. Supplier

##### Manufacturer

Food Tech Solutions Ltd  
Unit 5, 31 Ben Lomond Crescent  
Pakuranga, 2010 - New Zealand  
T +64 (09) 576 7326  
[www.fts.co.nz](http://www.fts.co.nz)

#### 1.4. Emergency telephone number

Emergency number : 0800 POISON (0800 764 766) Freephone. 24 hours a day. 7 days a week.

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

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### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

| Type              | Material             | Permeation       | Thickness (mm) | Penetration |
|-------------------|----------------------|------------------|----------------|-------------|
| Disposable gloves | Nitrile rubber (NBR) | 3 (> 60 minutes) |                | 2 (< 1.5)   |

#### Eye protection:

Safety glasses

| Type           | Use  | Characteristics   |
|----------------|------|-------------------|
| Safety glasses | Dust | With side shields |

#### Skin and body protection:

Wear suitable protective clothing

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| Type     |
|----------|
| Lab coat |

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

| Device    | Filter type | Condition                      |
|-----------|-------------|--------------------------------|
| Dust mask | Type P1     | Protection for Solid particles |

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Physical state                                  | : Solid                 |
| Colour                                          | : White to light yellow |
| Odour                                           | : None                  |
| Odour threshold                                 | : No data available     |
| pH                                              | : No data available     |
| Melting point                                   | : No data available     |
| Freezing point                                  | : Not applicable        |
| Boiling point                                   | : No data available     |
| Flash point                                     | : Not applicable        |
| Relative evaporation rate (butylacetate=1)      | : No data available     |
| Flammability (solid, gas)                       | : Non flammable.        |
| Vapour pressure                                 | : No data available     |
| Relative vapour density at 20 °C                | : No data available     |
| Relative density                                | : No data available     |
| Solubility                                      | : Soluble in water.     |
| Partition coefficient n-octanol/water (Log Pow) | : No data available     |
| Auto-ignition temperature                       | : Not applicable        |
| Decomposition temperature                       | : No data available     |
| Viscosity, kinematic                            | : No data available     |
| Viscosity, dynamic                              | : No data available     |
| Explosive limits                                | : Not applicable        |
| Explosive properties                            | : No data available     |
| Oxidising properties                            | : No data available     |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |                     |
|-----------------------------------|---------------------|
| Acute toxicity (oral)             | : Not classified    |
| Acute toxicity (dermal)           | : Not classified    |
| Acute toxicity (inhalation)       | : Not classified    |
| Skin corrosion/irritation         | : Not classified    |
| Serious eye damage/irritation     | : Not classified    |
| Respiratory or skin sensitisation | : Not classified    |
| Germ cell mutagenicity            | : Not classified    |
| Carcinogenicity                   | : Not classified    |
| Reproductive toxicity             | : Not classified    |
| STOT-single exposure              | : Not classified    |
| STOT-repeated exposure            | : Not classified    |
| Aspiration hazard                 | : Not classified    |
| Viscosity, kinematic              | : No data available |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|                         |                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
|-------------------------|-----------------------------------------------------------------------------------------------|

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

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### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

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SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*