

## **MATERIAL SAFETY DATA SHEET**

### **L-(-)FUCOSE 99% (For Biochemistry)**

**MSDS : 2438-80-4**

## **Section 1: Chemical Product and Company Identification**

### **Section 1: Chemical Product**

**Product Name:** L-(-)FUCOSE 99% (For Biochemistry)

**CAS#:** 2438-80-4

**C.I. No.:** Not available.

**Synonym:** 6-Deoxy-L-galactose

**Chemical Name:** L-(-)FUCOSE 99% (For Biochemistry)

**Chemical Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>

**Brand:** OXFORD

### **Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:** OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
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## **Section 2: Composition and Information on Ingredients**

### **Substances**

**Synonyms:** 6-Deoxy-L-galactose

**Formula:** C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>

**Molecular weight:**164,16 g/mol

**CAS#:** 2438-80-4

## Section 3: Hazards Identification

### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

**Other hazards** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Section 4: First Aid Measures

### Description of first aid measures

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### **In case of skin contact**

Wash off with soap and plenty of water.

#### **In case of eye contact**

Flush eyes with water as a precaution.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **Indication of any immediate medical attention and special treatment needed**

No data available

## Section 5: Fire and Explosion Data

### Extinguishing media

#### **Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **Special hazards arising from the substance or mixture**

Carbon oxides

### **Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**  
Avoid dust formation. Avoid breathing vapours, mist or gas.

**Environmental precautions**  
No special environmental precautions required.

**Methods and materials for containment and cleaning up**  
Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

**Precautions for safe handling**  
Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities**  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Storage class (TRGS 510): 13: Non Combustible Solids

## Section 8: Exposure Controls/Personal Protection

**Control parameters**  
Components with workplace control parameters

**Exposure controls**  
Appropriate engineering controls  
General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

## Section 8: Exposure Controls/Personal Protection (Continued)

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a) Appearance Form	: White crystalline.
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: Not applicable.
e) Melting point/Freezing point	: 150 -153 °C
f) Initial boiling point and boiling range	: No data available.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available.
m) Vapour density	: No data available.
n) Relative density,	: No data available.
o) Solubility in water	: No data available.
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: No data available.

## Section 10: Stability and Reactivity Data

**Reactivity :** No data available.

**Chemical stability :** Stable under recommended storage conditions.

**Possibility of hazardous reactions :** No data available.

**Conditions to avoid :** No data available.

**Incompatible materials :** Strong oxidizing agents.

**Hazardous decomposition products**

**Other decomposition products - Hazardous decomposition products formed under fire conditions.-**

Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

## Section 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - degradability :** No data available.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**Results of PBT and vPvB assessment :** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects :**  
No data available.

## Section 13: Disposal Considerations

### Waste treatment methods

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General information** : Not regulated.

### Sea transport (IMDG) [English only]

**General information** : Not regulated.

### Air transport (ICAO-IATA) [English only]

**General information** : Not regulated.

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## **Section 15: Other Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

## **Section 16 - Additional Information**

References: Not available.

Other Special Considerations: Not available.

### ***Disclaimer:***

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