



## Safety Data Sheet According to Regulation (EU) 830/2015

### 1375 Lactose 1-hydrate

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Name:

Lactose 1-hydrate

##### Synonym:

4-O-b-D-Galactopyranosyl-D-Glucose, Milk sugar

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

##### 1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

##### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

#### 2. Identification of dangers

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

##### 2.3 Other hazards:

No further relevant information available.

#### 3. Composition/information on ingredients

### **3.1 Substances**

Name: Lactose 1-hydrate

Formula: C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>.H<sub>2</sub>O M.= 360,32 CAS [10039-26-6]

EC number (EINECS): 200-559-2

### **3.2 Mixtures**

## **4. First aid measures**

### **4.1 Description of first aid measures**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

#### **Swallowing:**

Through swallowing of large amounts: In the event of sickness, seek medical assistance.

#### **Inhaling:**

Take the person out into the fresh air.

#### **Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

#### **Eyes:**

Wash with plenty of water, keeping eyelids open.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

As appropriate to the environment.

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

Combustible. Keep away from sources of ignition.

### **5.3 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

No special indications.

### **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

### **6.3 Methods and material for containment and cleaning up:**

Collect up dry. Clean any remains with plenty of water.

## **6.4 Reference to other sections**

Not applicable

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

No special indications.

### **7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. Dry atmosphere.

### **7.3 Specific end use(s)**

No more relevant data available

## **8. Exposure controls/personal protection**

### **8.1 Control parameters:**

Data not available.

### **8.2 Exposure controls**

No special indications.

Respiratory protection:

If dust forms, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Wash hands before breaks and when the job is done.

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

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

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: 4 - 6 ((50g/l))

Melting point/freezing point: 202 °C

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density: N/A  
Solubility: 216 g/l in water ( 20 °C )  
Partition coefficient: n-octanol/water:  
N/A  
Auto-ignition temperature:  
N/A  
Decomposition temperature: N/A  
Kinematic viscosity: N/A  
Dynamic viscosity:  
N/A

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

No specific data.

### **10.3 Possibility of hazardous reactions**

No specific data.

### **10.4 Conditions to avoid:**

The product is chemically stable under standar ambient conditions (room temperature).

### **10.5 Incompatible materials:**

No specific data.

### **10.6 Hazardous decomposition products:**

No specific data.

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

: Data not available.

Dangerous effects for health:

No dangerous characteristics are to be anticipated. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

Ecotoxic data not available.

### **12.2 Persistence and Degradability :**

Data not available.

### **12.3 Bioaccumulative potential:**

Data not available.

### **12.4 Mobility in soil :**

Data not available.

### **12.5 Assessment PBT and MPMB :**

Data not available.

## **12.6 Other adverse effects:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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## **14. Transport information**

### **14.1 UN number**

Not applicable

### **14.2 UN proper shipping name**

Not applicable

### **14.3 Transport hazard class(es)**

Not applicable

### **14.4 Packing group**

Not applicable

### **14.5 Environmental hazards**

Not applicable

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

The substance is included in Annex IV, Exemptions from the obligation to Register according to Regulation (EC) No. 1907/2006 (REACH)

### **15.2 Chemical safety assessment**

Not applicable

## **16. Other information**

### **Other precautionary statements**

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.