

Trade name: D-(+)-Lactose monohydrat/Sigma-Aldrich G

Substance number: 714992

Version: 1 / CH

Date revised: 21.11.2022

Replaces Version: - / CH

Print date: 21.11.22

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

D-(+)-Lactose monohydrat/Sigma-Aldrich G

Item No. 71499204

#### **Substance / product identification**

CAS-No. 64044-51-5

EINECS-No. 200-559-2

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

#### **Use of the substance/preparation**

pharmacy, Food

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification**

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

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

## **SECTION 3: Composition/information on ingredients**

### **Molecular weight**

Value 360.32 g/mol

### **Further ingredients**

#### **lactose monohydrate**

CAS No. 64044-51-5

EINECS no. 200-552-2

Registration no. EXCEMPT

Concentration &gt;= 95 %

Advice: [4]

### **Note**

[4] Voluntary information

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## **SECTION 4: First aid measures**

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

#### **After inhalation**

Remove the casualty into fresh air and keep him calm. Remove affected person from danger area. Take medical treatment. When spray fog inhaled, seek medical aid immediately and show the physician the packing or the packing label.

#### **After skin contact**

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

#### **After eye contact**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. By continuous complaints consult a physician.

#### **After ingestion**

Rinse mouth thoroughly with water. Drink water in small gulps. By continuous complaints consult a physician.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water spray jet, Foam, Dry powder, Extinguishing measures to suit surroundings

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

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

#### **Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

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

Keep away from sources of ignition - No smoking. Ensure adequate ventilation. Avoid contact with eyes and skin. Avoid dust formation.

### **6.2. Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal". Avoid raising dust.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Danger of dust explosion

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**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. The product is capable of dust explosions.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed.

**Storage classes**

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

**Further information on storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****General protective and hygiene measures**

Provide adequate ventilation.

**Respiratory protection**

Dust mask; Self-contained breathing apparatus.

**Hand protection**

Rubber gloves

**Eye protection**

Tightly fitting safety glasses; Safety glasses with side protection shield

**Body protection**

Clothing as usual in the chemical industry.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	solid		
<b>Form</b>	Powder		
<b>Colour</b>	white		
<b>Odour</b>	odourless		
<b>pH value</b>			
Value	4.0	to	6.5
Concentration/H <sub>2</sub> O	100	g/l	
Temperature	20	°C	

**Melting point**

Value	202	°C
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**Initial boiling point and boiling range**

Remarks	not determined
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**Flash point**

Value	°C
Remarks	Not applicable

**Solubility in water**

Value	appr. 16.1	g/l
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Temperature	20	°C
Temperature	50	°C
Remarks	easily soluble	

**Ignition temperature**

Value	360	to	390	°C
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**9.2. Other information****Other information**

The product is capable of dust explosions.

**SECTION 10: Stability and reactivity****10.5. Incompatible materials**

Strong oxidising agents

**10.6. Hazardous decomposition products**

No data available.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat		
LD50	>	10	g/kg

**Acute dermal toxicity**

Remarks No data available.

**Acute inhalational toxicity**

Remarks No data available.

**Skin corrosion/irritation**

Remarks No data available.

**Serious eye damage/irritation**

Remarks No data available.

**Sensitization**

Remarks May cause allergic reactions of respiratory system.

**Mutagenicity**

Remarks No data available.

**Reproductive toxicity**

Remarks No data available.

**Carcinogenicity**

Remarks No data available.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

Remarks No data available.

**12.2. Persistence and degradability****Biodegradability**

Remarks No data available.

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**12.6. Other adverse effects****General information / ecology**

In general not water hazardous.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 02 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing

EWC waste code 02 05 99 wastes not otherwise specified

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number</b>	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class WGK 3  
(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**SECTION 16: Other information****Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.