

## SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
 Generic EU MSDS – No country specific data  
 REVISION DATE: 2014-06-05

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

#### 1.1 Product identifier

Product name: **Lactose**  
 Article number: 16-0009

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

Identified uses: Laboratory chemical

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

Company: Medicago AB  
 Danmark Berga 13  
 755 98 Uppsala  
 Telephone: +46 (0)18 56 11 80  
 Facsimile: +46 (0)18 56 11 88  
 E-mail address: info@medicago.se

#### 1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**

Classified as not hazardous substance

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)**

Labelled as not hazardous substance

Signal word: -

Hazard statement(s): -

Precautionary statement(s): -

Complementary hazard information:

No further information

#### 2.3 Other hazards

No data available

### 3. Composition/information on ingredients

#### 3.1 Substances

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Lactose	63-42-3	200-559-2	-	≤ 100 %	Not classified

## 4. First aid measures

### 4.1 Description of first aid measures

If swallowed	Rinse mouth with water; get medical attention if symptoms develop
If inhaled	Move to fresh air; get medical attention if symptoms develop; if person is not breathing, give artificial respiration and get medical attention
In case of skin contact	Wash with soap and plenty of water; get medical attention if irritation develops/persists
In case of eye contact	Rinse eyes with plenty of clean water for several minutes; get medical attention if irritation develops/persists
General advice	Show this data sheet to the doctor in attendance

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

No data available

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

No data available

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, dry powder

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

Carbon oxides

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting if necessary

### 5.4 Further information

No further information

## 6. Accidental release measures

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

Avoid dust formation; avoid breathing dust; wear lab coat, safety goggles, suitable gloves and boots

### 6.2 Environmental precautions

Do not let product enter drains

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

Sweep and shovel up spilled material; keep in a suitable, closed and properly labelled container for disposal

### 6.4 Reference to other sections

For disposal: see section 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid dust formation; assure adequate ventilation where dust is formed; avoid contact with skin and eyes; wash hands before and after use

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

Store in a closed container; storage area should be cool, dry and well-ventilated

### 7.3 Specific end use(s)

No data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No data available

(Continued on page 3)

## 8.2 Exposure controls

### Appropriate engineering controls

Use general hygiene procedures; use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

### Personal protective equipment

**Eye/face protection:** use safety goggles (EN 166)

**Skin protection:** wear proper gloves; gloves must be inspected prior to use

**Body Protection:** wear lab coat or other impervious clothes

**Respiratory protection:** use dust respirator if necessary

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	white powder
Odour	no data available
Odour threshold	no data available
pH	4.0-6.5 at 100g/l at 20° C
Melting point/ freezing point	melting point: 202.8° C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1.53 g/cm <sup>3</sup>
Water solubility	21.6 g/100ml
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

### 9.2 Other information

No further information

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

Potential of dust explosion

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

In case of fire: carbon oxides

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

##### Acute toxicity

No data available

##### Skin corrosion/irritation

No data available

(Continued on page 4)

**Serious eye damage/ eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**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

**Potential health effects**

No data available

**12. Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available

**13. Disposal considerations****13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated packaging: dispose of as unused product

**14. Transport information****14.1 UN-number**

ADR-RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR-RID:

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

**14.3 Transport hazard class(es)**

ADR-RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR-RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR-RID:

no

IMDG, water pollutant:

no

IATA:

no

(Continued on page 5)

**14.6 Special precautions for user**

No data available

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available

**15. Regulatory information**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

**15.2 Chemical safety assessment**

No data available

**16. Other information**

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use.