

## SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
 Generic EU MSDS – No country specific data  
 REVISION DATE: 2014-06-26

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

#### 1.1 Product identifier

Product name: *Lens culinaris* Lectin (LCA/LcH) lyophilized powder  
 Article number: 05-0104

#### 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)

Not classified

#### 2.2 Label elements

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



Signal word: Warning

Hazard statement(s):

H317 May cause an allergic skin reaction  
 H319 Cause serious eye irritation  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statement(s):

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray  
 P280 Wear protective gloves/protective clothing/eye protection/face protection

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) |
|------------------------------|---------|--------|-----------|----------|--|
| <i>Lens culinaris</i> Lectin | -       | -      | -         | 80-100%  | Not classified   |

## 4. First aid measures

### 4.1 Description of first aid measures

|                         |  |
|-------------------------|--|
| If swallowed            | Rinse mouth immediately with plenty of water; never give anything by mouth to an unconscious person; loosen tight clothing such as collar, tie, belt or waistband; get medical attention |
| If inhaled              | Move to fresh air; if person is not breathing, give artificial respiration; if breathing is difficult, give oxygen; get medical attention  |
| In case of skin contact | Wash off with soap and plenty of water; remove contaminated clothing and shoes; wash clothing before re-use; thoroughly clean shoes before re-use; get medical attention                 |
| In case of eye contact  | Remove contact lenses if present and easy-to-so; wash eyes with plenty of clean water for at least 15 min as a precaution; get medical attention   |
| General advice          | Get medical attention; 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: dry chemical powder, water spray, fog or alcohol-resistant foam

Unsuitable extinguishing media: do not use water jet

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

Nitrogen oxides

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

### 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/mist/vapours/spray; wear lab coat, safety goggles, suitable protection gloves and boots

### 6.2 Environmental precautions

Do not let product enter drains

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

Use appropriate tool to put spilled material in convenient waste disposal container; finish cleaning by spreading water on the contaminated surface and ventilate the room

### 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; keep away from heat and sources of ignition; avoid contact with skin and eyes; wash hands before and after use

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

Store in a cool place in a tightly closed containers; recommended storage temperature is -20° C; use original container

### 7.3 Specific end use(s)

No data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values

### 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    | Wear safety goggles (EN 166)  |
| Skin protection        | Use proper lab gloves; gloves must be inspected prior to use; wash and dry hands  |
| Body Protection        | Wear lab coat or other impervious clothes; type of protection equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace |
| Respiratory protection | Use dust respirator if necessary; use respirator tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU)   |

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Appearance                                   | white/cream coloured lyophilized powder |
| Odour  | no data available                       |
| Odour threshold                              | no data available                       |
| pH   | no data available                       |
| Melting point/ freezing point                | no data available                       |
| 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                             | no data available                       |
| Water solubility                             | soluble                                 |
| 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 data available

## 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

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

In case of fire: nitrogen 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

##### Serious eye damage/ eye irritation

No data available

##### Respiratory or skin sensitization

May cause skin sensitization

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

No component of this product present at levels greater than 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

##### Potential health effects

|            |  |
|------------|--|
| Inhalation | May be harmful if inhaled; may cause respiratory tract irritation  |
| Ingestion  | May be harmful if swallowed  |
| Skin       | May be harmful if absorbed through skin; may cause skin irritation |
| Eyes       | May cause eye irritation   |

## 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

### 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.