SAFETY DATA SHEET
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-06-11

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

1.1 Product identifier

Product name: Aleuria aurantia Lectin (AAL) lyophilized powder
Article number: 05-0134

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

Identified uses: Laboratory chemical; purification, agglutination studies

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Index-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aleuria aurantia lectin</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>80-100%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
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 immediately

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; keep container closed 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 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, 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**

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>May be harmful if inhaled; may cause respiratory tract irritation</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>Skin</td>
<td>May be harmful if absorbed through skin; may cause skin irritation</td>
</tr>
<tr>
<td>Eyes</td>
<td>May cause eye irritation</td>
</tr>
</tbody>
</table>

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.