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: Narcissus pseudonarcissus Lectin (NPA/NPL) lyophilized powder
   Article number: 05-0119

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

<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>Narcissus pseudonarcissus 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.
- 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.

(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: 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white, lyophilized powder</td>
</tr>
<tr>
<td>Odour</td>
<td>no data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/ freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/ water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
</tr>
</tbody>
</table>

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
Acidic pH

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

<table>
<thead>
<tr>
<th>14.1 UN-number</th>
<th>ADR-RID: -</th>
<th>IMDG: -</th>
<th>IATA: -</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>ADR-RID: Not dangerous goods</td>
<td>IMDG: Not dangerous goods</td>
<td>IATA: Not dangerous goods</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>ADR-RID: -</td>
<td>IMDG: -</td>
<td>IATA: -</td>
</tr>
<tr>
<td>14.4 Packaging group</td>
<td>ADR-RID: -</td>
<td>IMDG: -</td>
<td>IATA: -</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>ADR-RID: no</td>
<td>IMDG, water pollutant: no</td>
<td>IATA: no</td>
</tr>
</tbody>
</table>

#### 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.