SAFETY DATA SHEET
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2015-11-19

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

1.1 Product identifier
Product name: Galanthus nivalis Lectin (GNA) lyophilized powder
Article number: 05-0120

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>Galanthus nivalis 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; keep container tightly closed for disposal; 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 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/beige coloured 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>
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</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
No data available

10.5 Incompatible materials
Strong oxidizing agents

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

<table>
<thead>
<tr>
<th>ADR-RID:</th>
<th>IMDG:</th>
<th>IATA:</th>
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</thead>
<tbody>
<tr>
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#### 14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>ADR-RID:</th>
<th>IMDG:</th>
<th>IATA:</th>
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<tbody>
<tr>
<td></td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
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</table>

#### 14.3 Transport hazard class(es)

<table>
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</table>

#### 14.4 Packaging group

<table>
<thead>
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<th>IMDG:</th>
<th>IATA:</th>
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</thead>
<tbody>
<tr>
<td>-</td>
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<td>-</td>
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</table>

#### 14.5 Environmental hazards

<table>
<thead>
<tr>
<th>ADR-RID:</th>
<th>IMDG, water pollutant:</th>
<th>IATA:</th>
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<tbody>
<tr>
<td></td>
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<td>no</td>
</tr>
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</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.