SAFETY DATA SHEET
according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-05-22

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

1.1 Product identifier
Product name: Crotalaria Juncea Lectin
Article number: 05-0105

1.2 Relevant identified uses of the substance or mixture, and uses advised against
Identified uses: For laboratory use

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: Gifinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)
Not classified

2.2 Label elements
Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)

Signal word Warning
Hazard statement(s)
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H319 Causes serious eye irritation.

Precautionary statement(s)
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Complementary hazard information
None

2.3 Other hazards
No data available
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-no.</th>
<th>EC-no.</th>
<th>Weight %</th>
<th>Classification according to constitution (EG) no 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crotalaria Juncea Lectin from sunn hemp seeds</td>
<td>-</td>
<td>-</td>
<td>90-100%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

4. First aid measures

4.1 Description of first aid measures

- **If swallowed**: In case of ingestion, immediately flush mouth with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention. Loosen tight clothing such as collar, tie, belt or waistband.
- **If inhaled**: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- **In case of skin contact**: In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- **In case of eye contact**: Check for and remove any contact lenses. In case of contact, as a precaution, flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- **General advice**: Consult a physician. Show this safety 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. Fire fighting measures

5.1 Extinguishing media

Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NOx)

5.3 Advice for fire fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing dust, mist or gas.

6.2 Environmental precautions

Do not let product enter drain.

6.3 Methods and material for containment and cleaning up

Do not create dust. Use appropriate tools to put the solid in a 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 creating dust. Provide appropriate exhaust ventilation. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities
   Store in a cool place in 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
   Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

   Personal protective equipment
   Eye/face protection Use safety glasses.
   Skin protection Handle with gloves. Wash and dry hands.
   Body Protection Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
   Respiratory protection Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
   Appearance Form: 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
No data available

10.3 Possibility of hazardous reactions
No data available

10.3 Conditions to avoid
No data available

10.5 Incompatible materials
Oxidizing agents

10.6 Hazardous decomposition products
Nitrogen oxides

11. Toxicological Information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity
No data available

Skin corrosion/irritation
May be sensitising for the skin.

Serious eye damage/ eye irritation
No data available

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No component of this product present at levels greater than or equal to 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. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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, IMDG, 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

15. Regulatory information

This safety datasheet 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.