

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: Giftinformationscentralen 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

3.1 Substances

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

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 (NO_x)

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.

12.3 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.