

# 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: *Pisum sativum* Lectin (PSA)  
 Article number: 05-0111

### 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

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
<i>Pisum sativum</i> lectin	-	-	-	85-100%	Not classified

## 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; keep away from heat and ignition; 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; 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  $-20^{\circ}$  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/beige coloured, 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

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

