

MATERIAL SAFETY DATA SHEET

Concanavalin A (Con A)

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

Product name: Concanavalin A (Con A)
Chemical formula: N/A
Art. no.: A05-0106
Manufacturer: Medicago AB
Danmark Berga
SE-755 98 Uppsala
Sweden
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2. Composition/information on ingredients

Chemical name:	CAS no.:	EC no.:	Symbol:	R-Phrases:	S-Phrases:
Concanavalin A	11028-71-0	234-258-2	Xn	R20/21/22, R40, R42/43	S24/25, S36

3. Hazards identification

Physical/chemical hazards: N/A
Human health hazards: Caution! May be harmful if inhaled, absorbed through skin or swallowed.

4. First-aid measures

Ingestion: 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 a collar, tie, belt or waistband.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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.

Eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

5. Fire-fighting measures

Flammability of the product: May be combustible at high temperature.

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

Hazardous thermal (de)composition products: These products are nitrogen oxides (NO, NO2...)

Special fire-fighting procedures: Wear breathing apparatus and full turnout gear.

6. Accidental release measures

Personal precautions:	Safety goggles. Full suit. Wear suitable respiratory equipment. Boots. Gloves.
Spill and leak:	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.

7. Handling and storage

Handling:	Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Do not ingest. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. After contact with skin, wash immediately with plenty of water. If ingested, seek medical attention immediately and show the label when possible.
Storage:	Store at +2 - 8 °C in tightly closed container. Use original container.

8. Personal protection/exposure controls



Protective clothing:	
Personal protective equipment:	Safety goggles, gloves, wear suitable respiratory equipment, lab coat.
Engineering measures:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures:	Wash hands after handling compounds and before eating, smoking and using lavatory.

9. Physical and chemical properties

Physical state:	Lyophilized powder
Colour:	White to slightly light-brown.
Molecular Weight:	104 kDA
Solubility:	N/A
Flash point:	N/A
Explosive properties:	Risks of explosion of the product in presence of mechanical impact: not available. Risks of explosion of the product in presence of static discharge: not available.

10. Stability and reactivity

Stability:	Stable
Conditions to avoid:	N/A
Hazardous decomposition products:	These products are nitrogen oxides (NO, NO ₂ ...).

11. Toxicological information

The toxicological properties are not fully investigated as far as we know.

May cause skin irritation. Hazardous in contact with skin and absorbs quickly through skin (sensitizer). Risk of irritation to eyes. Very Harmful when inhaled or swallowed.

Potential effects on health:

- Can cause irritation of the skin by exposure
- Inhalation can be dangerous or cause irritation in the respiratory tract.
- Can be poisonous if consumed
- May cause congenital malformations of a foetus
- Can cause irritation of the eyes.

12. Ecological information

Ecotoxicity:	N/A
Toxicity of the products of biodegradation:	The products of degradation are less toxic than the product itself.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

RID/ADR:	Not controlled under ADR (Europe).
IMDG:	Non-hazardous for sea transport.
IATA:	Non-hazardous for air transport.
Special provisions for transport:	N/A

15. Regulatory information

EU Regulations

Hazard symbol(s):



Classification:	Harmful
Risk Phrases:	R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R68- Possible risks of irreversible effects. R42/43 – May cause sensitization by inhalation and skin contact.
Safety Phrases	S 24/25 – Avoid contact with eyes and skin. S36 – Wear suitable protective clothing.

US Federal Regulations

TSCA:	No products were found.
HCS Classification:	Sensitizing substance.

16. Other information

Precautions and Disclaimer: For laboratory use only. Not for drug, household or other uses.

Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.