



Manufactured By: Medicago AB

Galanthus *nivalis* (GNA)

REVISION DATE: 2010-04-26

MATERIAL SAFETY DATA SHEET

Galanthus *nivalis* (GNA)

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

Product name: Galanthus *nivalis* lectin (GNA)
Chemical formula: N/A
Art. no.: A05-0120
Manufacturer: Medicago AB
Danmark Berga
SE-755 98 Uppsala
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2. Composition/information on ingredients

Chemical name:	CAS no.:	EC no.:	Symbol:	R-Phrases:	S-Phrases:
Galanthus <i>nivalis</i> lectin	-	-	-	-	-

3. Hazards identification

Physical/chemical hazards: The substance is not harmful.
Human health hazards: The substance is not harmful.

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, move to fresh air. If breathing becomes difficult give artificial respiration or oxygen. Get medical attention.
Skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing and 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. Emits toxic fumes under fire conditions.
Extinguishing media: Small fire: Use dry chemical powder. Large fire: Use water spray, carbon dioxide or foam.
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 and gloves. Control dust formation and prevent skin and eye contact. See to that ventilation is sufficient.

Spill and leak: Use appropriate tools to put the solid in a convenient waste disposal container. Avoid raising dust. Finish cleaning by spreading water on the contaminated surface and dispose of according to requirements. 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 beige

Molecular Weight: 52 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: Strong oxidative agents

Hazardous decomposition products: N/A

11. Toxicological information

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

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:	Non-hazardous for road transport.
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):	N/A
Classification:	N/A
Risk Phrases:	N/A
Safety Phrases	N/A

US Federal Regulations

TSCA:	N/A
HCS Classification:	N/A

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.