



# SAFETY DATA SHEET

## Avonlac 282 SDS

### SECTION 1: Chemical Product and Company Identification

**Product Name:** Avonlac 282  
**Product Type:** Dry Dairy Powder  
**Application:** Nutritional Ingredient

**Glanbia Nutritionals, Inc.**  
**5500 Nobel Drive Suite 250**  
**Fitchburg, WI 53711**

**Emergency Telephone:** (208) 733-7555

### SECTION 2: Hazards Identification

#### Emergency Overview

**WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)**

This material is not a "health hazard" or a "physical hazard" as determined according to the requirements of the Occupational Safety and Health Administration 29CFR Part 1910 "Hazard Communication" Standard.

#### POTENTIAL HEALTH EFFECTS:

- SKIN ABSORPTION:** No hazards known to Glanbia Nutritionals, Inc.
- INGESTION:** No hazards known to Glanbia Nutritionals, Inc.
- INHALATION:** May cause irritation on prolonged or repeated exposure above the PEL.
- SKIN:** No hazards known to Glanbia Nutritionals, Inc.
- EYES:** May cause irritation on prolonged or repeated contact.

Conforms to all Good Manufacturing Practices as listed in 21 CFR, part 110

### SECTION 3: Composition and Information on Ingredients

#### Composition:

Name	CAS#	OSHA PEL (mg/m <sup>3</sup> )	% by Weight
Dry Dairy Powder	None required per SARA Title III Section 313	15 (Total dust*) * Nuisance Particulates	100

### SECTION 4: First Aid Measures

- INGESTION:** No special precautions are known to Glanbia Nutritionals, Inc.
- INHALATION:** Remove to fresh air.
- SKIN CONTACT:** No special precautions are known to Glanbia Nutritionals, Inc.
- EYE CONTACT:** Immediately flush eyes with plenty of water. Call a physician if irritation persists.

### SECTION 5: Fire Fighting Measures

- Flammability:** Not easily flammable.
- Explosion:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- K<sub>st</sub>:** <200
- Flash Point:** >300°C

## SECTION 6: Accidental Release Measures

**Small/Large Spill:** Use appropriate tools to sweep/scoop up the material and place in a disposal container.

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

## SECTION 7: Handling and Storage

**Handling:** Minimize dust generation and accumulation.

Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

**INHALATION:** Avoid prolonged or repeated breathing of dust or vapor.

**SKIN:** No hazards known to Glanbia Nutritionals, Inc.

**EYES:** Avoid prolonged or repeated contact with eyes.

Handle in accordance with good industrial hygiene and safety practices.

**Storage:** Store in a cool, dry place.

## SECTION 8: Exposure Controls/Personal Protection

**Engineering Controls:** If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and airflow patterns should be provided to keep air contaminant, concentration levels below acceptable criteria.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

**Personal Protection:** Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment.

Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA 29 CFR 1910.134 or other applicable standards of guidelines.

## SECTION 9: Physical and Chemical Properties

**Appearance:** Cream colored powder

**Odor:** No distinctive odor.

**pH:** N/A

**Boiling point:** N/A

**Melting point:** N/A

**Flashpoint:** N/A

**Vapor pressure:** N/A

**Relative density:** N/A

**Solubility:** Soluble

## SECTION 10: Stability and Reactivity

**Stability:** Normally stable as defined in NFPA 704-12 (4-3.1).

## SECTION 11: Toxicological Information

**Acute toxicity:** None

**Local effects:** None

**Excessive exposure may affect human health as follows:**

**Skin contact:** No hazards known to Glanbia Nutritionals, Inc.

**Eye contact:** May cause irritation on prolonged or repeated contact.

**Inhalation/ingestion:** May cause irritation on prolonged or repeated exposure above the PEL.

## SECTION 12: Ecological Information

Do not flush large quantities of powders to waterways as an oxygen depletion situation is likely to occur.

## SECTION 13: Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.

## SECTION 14: Transportation Information

**DOT classification:** Not regulated

## SECTION 15: Regulatory Information

**This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirements of 40 CFR Part 372:**

None required per SARA TITLE III SECTION 313

## SECTION 16: Other Information

### **DISCLAIMER**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY GLANBIA NUTRITIONALS, INC., except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Glanbia Nutritionals, Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, break or warranty, negligence or otherwise.

Refer to NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids*, for safe handling.

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