



SILVER FERN CHEMICAL, INC.

Safety Data Sheet

Protein Isolate (Technical Grade)

1.0 SUBSTANCE IDENTIFICATION

- 1.1 Commercial product name: Protein Isolate (Technical Grade)
- 1.2 Chemical characterisation: Not Applicable
- 1.3 Formula: N/A
- 1.4 Molecular weight: 1.5 Average >50,000.00

- 1.5 Manufactured/Distributed By:
Silver Fern Chemical, Inc
2226 Queen Anne Ave N.
Seattle, WA 98109
1-866-282-3384 / info@silverfernchemical.com / www.silverfernchemical.com
- 1.6 Emergency telephone number: **INFO-TRAC +1-800-535-5053**
Outside USA & Canada +1-352-323-3500

2.0 HAZARDS IDENTIFICATION

- 2.1 **Protein Isolate is not a hazardous substance or mixture within OSHA HCS.**
- 2.2 **Contact with eyes (e.g. dust particles) may cause irritation.**
- 2.3 **Avoid open flames or other ignition sources (ie electrical equipment; switch gear).**

3.0 COMPOSITION

- 3.1 Protein Isolate. (CAS# 9010-10-0)
- 3.2 No hazardous impurities.

4.0 FIRST AID MEASURES

- 4.1 After contact with eyes, flush immediately with plenty of water for 15 minutes and seek medical advice.

5.0 FIRE FIGHTING MEASURES

- 5.1 Avoid ignition sources where a fine dust might be generated.
- 5.2 Water, carbon dioxide, or powder extinguisher may be used.
- 5.3 Fire fighters should wear protective clothing and approved respirator.
- 5.4 Burning may produce carbon monoxide.

6.0 ACCIDENTAL RELEASE MEASURES

- 6.1 Recover product by vacuum or broom and shovel. Flush area with water to remove final traces.
- 6.2 Spillages of Protein Isolate and its solutions should be contained and collected on absorbent material. Thoroughly wash affected area.



PROTEIN ISOLATE

7.0 HANDLING AND STORAGE

- 7.1 Store in a dry, well-ventilated area in tightly closed containers to prevent entry of moisture.
- 7.2 Industrial hygiene - avoid breathing dust; use in an area with adequate ventilation. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Respiratory protection: Dust mask
- 8.2 Hand protection: Not required
- 8.3 Eye protection: Not required
- 8.4 Other: None

9.0 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Off white to pale brown colour
- 9.2 Odour: Beany note
- 9.3 pH: 6.0 – 7.4
- 9.4 Melting point: NA
- 9.5 Boiling point: N/A - solid
- 9.6 Specific gravity: NA
- 9.7 Solubility in water (20°C): Soluble
- 9.8 Solubility in alcohol (20°C):

10.0 STABILITY AND REACTIVITY

- 10.1 Shelf life: Protein Isolate have a recommended shelf life of 24 months, when kept in under cool, dry conditions
- 10.2 Hazardous products: None
- 10.3 Incompatible with acids: None

11.0 TOXICOLOGICAL INFORMATION

- 11.1 No data available.

12.0 ECOLOGICAL INFORMATION

- 12.1 Protein Isolate is biodegradable.

13.0 DISPOSAL CONSIDERATIONS

-
- 13.1 Dispose in landfill or flush to drain with large amounts of water, **depending upon local regulations**. Protein Isolate is biodegradable in waste treatment facilities.

14.0 TRANSPORT INFORMATION

-
- 14.1 Not regulated for transport. No special requirements and no restrictions on transportation by land, sea or air.

15.0 REGULATORY INFORMATION

-
- 15.1 Protein Isolate is a naturally-occurring substance.

16.0 ADDITIONAL INFORMATION

-
- 16.1 See Product Data Sheet.

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.