



SILVER FERN CHEMICAL, INC.

Safety Data Sheet

Protein Isolate

1.0 SUBSTANCE IDENTIFICATION

- 1.1 Commercial product name: Protein Isolate
- 1.2 Chemical characterisation: Not Applicable
- 1.3 Formula: N/A
- 1.4 Molecular weight: Average >50,000.00
- 1.5 CAS No: 9010-10-0
- 1.6 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
- 1.7 Emergency telephone number: INFO-TRAC +1-800-535-5053; Outside USA & Canada
+1-352-323-3500

2.0 COMPOSITION

- 2.1 Soy Protein Isolate. (CAS# 9010-10-0)
- 2.2 No hazardous impurities.

3.0 HAZARDS IDENTIFICATION

- 3.1 **Soy Protein Isolate is not classified as a Dangerous Substance within the definitions of EC Directive 67/584.**
- 3.2 Contact with eyes (e.g. dust particles) may cause irritation.
- 3.3 Avoid open flames or other ignition sources (ie electrical equipment; switch gear).

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 fructose 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 Soy Protein Isolate and its solutions should be contained and collected on absorbent material. Thoroughly wash affected area.



SOY 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: Soy 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: Soy 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 Soy Protein Isolate is a widely used sweetener in beverages and foods.

12.0 ECOLOGICAL INFORMATION

- 12.1 Soy Protein Isolate is biodegradable.

13.0 DISPOSAL CONSIDERATIONS

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

PROTEIN ISOLATE

14.0 TRANSPORT INFORMATION

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- 14.1 No special requirements and no restrictions on transportation by land, sea or air.

15.0 REGULATORY INFORMATION

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- 15.1 Protein Isolate is a naturally-occurring and widely-used sugar.

16.0 ADDITIONAL INFORMATION

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- 16.1 See Product Data Sheet.

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