1. **PRODUCT NAME AND COMPANY IDENTIFICATION**

   **Product Name:** Protein Isolate from Canola Seeds  
   **Product Use:** Human and Animal Consumption  
   **Company Name:** Pulse Proteins, LLC  
   **Company Address:** 1507 W Red Baron Road, Payson, AZ 85541  
   **Contact:** Alan Verbitsky, averbitsky@pulsedry.com

2. **COMPOSITION / INGREDIENT INFORMATION**

   **Ingredients:** Vegetable protein (amino acids), oil (fatty acids/triglycerides), hull fiber, and cotyledon fiber. Minerals such as: sodium, potassium, calcium, magnesium, and phosphorus.

   **Hazardous Components:** None  
   **Chemical Abstracts Service (CAS) #:** N/A

3. **HAZARDS IDENTIFICATION**

   **Routes of Entry:**  
   - **Eye Contact:** Mild irritation may occur  
   - **Skin Contact:** No known hazard  
   - **Ingestion:** No known hazard  
   - **Inhalation:** No known hazard

4. **FIRST AID MEASURES**

   **Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
   **Skin:** Wash with soap and water- get medical attention if irritation occurs.  
   **Ingestion:** N/A  
   **Inhalation:** N/A  
   **Medical Conditions Generally Aggravated by Exposure:** None

5. **FIRE FIGHTING MEASURES**

   **Extinguishing Media:** Dry Chemical, Carbon Dioxide, Fog, Foam, water  
   **Firefighting Procedures:** Cool containers exposed to flame with water. Use air supplied equipment for fighting interior fires and/or any regular equipment used for grain fires.  
   **Unusual Fire & Explosion Hazards:** low combustible and no particular hazard.

6. **ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

   **Methods for Cleaning Up:** Sweep up. Wash area with soap and water.
7. **HANDLING AND STORAGE**

**Safe Handling:** Keep out of direct sunlight, away from exposure to air and away from moisture.

**Requirements for Storage Areas and Containers:** Store in a cool, dry location, in a sealed container.

8. **EXPOSURE CONTROL/PERSONAL PROTECTION**

**Eye:** Safety glasses should be worn.

**Skin/Body:** Respiratory: Gloves may be worn. Coverage recommended as per any grain dust. Basic paper nose and mouth dust cover.

**Other:** Evaluate need based on application.

**Work/Hygiene Practice:** Normal work and hygiene practices for handling nonhazardous grain food stuffs.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** dry powdered

**Color:** brown, ranges from off white to light brown

**Odor:** characteristic, bland, fatty oil

**pH:** ranges from 3.00 to 10.00

**Vapor Pressure (mm Hg.):** N/A

**Vapor Density (AIR = 1):** flash point: >100°C

**Specific Gravity (H2O = 1):** N/A

**Evaporation Rate:** N/A

**Solubility in Water:** Mixes with water

10. **STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions of use.

**Incompatibility (Materials to Avoid):** Avoid strong oxidizers

**Conditions to Avoid:** None

**Hazardous Decomposition or Byproducts:** None

**Hazardous Polymerization:** Will Not Occur

11. **TOXICOLOGICAL INFORMATION**

**Oral:** Expected to possess a relatively low degree of acute oral toxicity (LD50 expected to be >2000 mg/kg)

**Dermal:** Expected to be practically non-toxic by dermal route

**Inhalation:** Do not inhale. Protein isolates are an irritant to sinus and lungs like any grain dust

**Medical Conditions Generally Aggravated by Exposure:** None

**Skin:** Not expected to be an irritant

**Eyes:** Irritation expected if powder is in direct contact with eyes like any grain dust

12. **ECOLOGICAL INFORMATION**

**Biodegradation:** Ultimately Biodegradable
13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (USA).
Class/Division: Not restricted
Proper Shipping Name: N/A
Label: None
Packing Group: N/A
ID Number: N/A
Hazard: N/A

15. REGULATORY INFORMATION

Not Available (N/A)

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary.

All health and safety information contained in this bulletin should be provided to your employees or customers.