



|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire                | 1 |
| Reactivity          | 0 |
| Personal Protection | E |

## Safety Data Sheet

### Whey & Casein Protein

### Concentrate MSDS

#### Section 1: Chemical Product and Company Identification

- Product Name:** Whey Protein Concentrate (WPC 34), WPC 35, WPC80, Instant WPC80, Sweet Whey Protein, Spray Dried Whey, Micellar Casein Concentrate (MCC), Micellar Casein Isolate, Milk Protein Concentrate, Native Whey Protein Isolate (WPI), Instant Native WPI, Nonfat Dry Milk (NFD), Clean Whey 90, MSWP 28, Microparticulated MFGM, BarLife, Clear Pro 90, MP PRO C80, Concentrated Dairy Proteins, Microfiltered Whey Protein Isolate, Microparticulated WPC70 and WPC80, Milk Fat Globule Membrane (MFGM), Pre-acidified WPI.

**CAS#:** 91082-88-1

**EINECS:** 293-803-2

**Synonym:** WPC 34, WPC 35, Whey Protein, Spray Dried Whey, Micellar Casein, Milk Protein Concentrate, Native Whey, NFD, Native Whey, Instant WPC 80%, Clean Whey 90, Microparticulated high fat whey protein concentrate, Microparticulate WPC70 and WPC80, Milk Fat Globule Membrane, Pre-acidified WPI.

**Chemical Name:** Whey Protein Concentrate, Instant WPC 80%

**Chemical Formula:** N/A

**Contact Information:** Leprino Foods 1830 West 38<sup>th</sup> Ave Denver, CO 80211

**Sales:** 1-800-Leprino

#### Section 2: Composition and Information on Ingredients

Composition:

| Name:                    | CAS#:      | % by Weight: |
|--------------------------|------------|--------------|
| Whey Protein Concentrate | 91082-88-1 | 100          |

Toxicological Data on Ingredients: Not Applicable.

#### Section 3: Hazards Identification

**Potential Acute Health Effects:** Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

**Potential Chronic Health Effects:**

**Carcinogenic Effects:** Not Available.

**Mutagenic Effects:** Not Available.

**Teratogenic Effects:** Not Available.

**Developmental Toxicity:** Not Available.

Repeated or prolonged exposure is not known to aggravate medical condition.

#### Section 4: First Aid Measures

**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. Cold water may be used. Get medical attention if irritation occurs.

**Skin Contact:** Wash with water. Seek medical attention if irritation develops. Cold water may be used.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

**Ingestion:** Dairy allergen. Persons allergic to dairy must avoid exposure.

**Serious Ingestion:** Not available

## Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** 450°C (842°F)

**Flash Points:** Not available

**Flammable Limits:** Not available

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of heat.

**Explosions Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of heat.

Risks of explosion of the product in presence of mechanical impact. Not available.

Risks of explosion of product in presence of static discharge: Possible dust explosion.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY Chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Minimize dust.

## Section 6: Accidental Release Measures

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7: Handling and Storage

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a potential fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Keep away from incompatibles such as oxidizing agents. Dairy Allergen.

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**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 27°C (80°F).

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to dust, low.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill:** Dust respirators. Boots. Gloves.

**Exposure Limits:** Not available.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid. (off white to cream colored powder)

**Odor:** Odorless

**Taste:** Mild dairy

**Molecular Weight:** Not Available

**Color:** Not available.

**pH (10% soln/water):** 2.5 – 7.0

**Boiling point:** Not available.

**Melting Point:** 214°C (417.2°F)

**Critical Temperature:** Not available.

**Specific Gravity:** Not available

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:** Slightly hazardous in case of skin and eye contact (irritant), of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Ingestion: No known reactions. WPC is a food product.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Bioegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:** No Special considerations.

## Section 14: Transport Information

**Dot Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## Section 15: Other Regulatory Information

**Federal and State Regulations:** No products were found.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** This product is not classified according to the EU regulations. Not applicable.

**HMIS (USA):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (USA):**

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves.

Lab Coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Safety glasses.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** June 23, 2008

**Last updated:** 2025

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