

# Hydrolyzed Collagen Protein

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

**Product Name:** Hydrolyzed Collagen Protein  
**INCI Name:** Hydrolyzed Collagen Protein, Water  
**CAS Number:** 92113-31-0, 7732-18-5, 122-99-6  
**EINECS Number:**  
**Chemical Family:** Mixture

### 2. PHYSICAL & CHEMICAL PROPERTIES

**Melting Point:** not applicable  
**Boiling Point:** not available  
**Vapor Density:** not available  
**Vapor Pressure:** not available  
**Acid / Alkalinity:** not available  
**Pounds/Gallon:** Bulk 4.0lbs/gal (water =8.3)  
**Solubility in water:** soluble  
**pH Value:** 5.5-6.5 (@10% Aq)  
**Appearance & Odor:** white powder, mild characteristic odor

### 3. STABILITY & REACTIVITY

**Chemical Stability:** stable under normal conditions  
**Incompatibility:** High temperatures and strong oxidizing agents  
**Hazardous Decomp.:** no unusual decomposition products known.  
**Hazardous Polymerisation:** will not occur  
**NFPA/HMIS Limits:** Flammability: 0, Health: 0

### 4. HANDLING & STORAGE

**Handling:** Do not take internally, do not eat or drink when handling.  
**Storage:** Store in a cool, dry and well ventilated place. Isolate from incompatible materials.

### 5. ACCIDENTAL RELEASE MEASURES

Material is soluble in water. Retain all contaminated water for removal and treatment. Notify downstream users of possible contamination. Create a dike or trench to contain materials. Absorb spill with inert material then place in a chemical waste container. Evacuate all non essential personnel, utilize emergency response personal protection equipment prior to the start of any response. Dispose of spill residues per guidelines.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** If dusting or misting occurs, wear a NIOSH approved respirator.  
**Protective Clothing:** No specific measures necessary, but gloves and safety glasses, goggles, or face shield are recommended as general laboratory protection measures.  
**Other Protective Measures:** Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

### 7. HAZARDS IDENTIFICATION

**Subchronic Effects:** An adverse effect with symptoms that develop slowly over a long period of time. None known.  
**Chronic Effects/Carinogenicity:** Not listed in IARC, NTP, 29CFR  
**Inhalation:** no specific hazards known.  
**Eye Contact:** May cause mild eye irritation

**Skin Contact:** no specific hazards known  
**Ingestion:** no specific hazards known.  
**Medical Conditions Aggravated:** none known.

### 8. FIRST AID MEASURES

**Eyes:** Flush with plenty of water for at least 15 minutes, contact physician if irritation develops.  
**Skin:** Flush with water for 15 minutes, contact physician if irritation develops.  
**Inhalation:** Remove to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult  
**Ingestion:** Drink plenty of water to dilute, consult physician if symptoms develop.

### 9. FIRE FIGHTING MEASURES

**Flash Point:** not available, decomposes  
**Extinguishing Media:** not applicable, choose extinguishing media suitable for surrounding materials.  
**Fire Fighting Procedures:** Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 10. TOXICOLOGICAL INFORMATION

**Acute Oral LD50:** product family known to have low toxicity  
**Dermal LD50 (mg/kg):** unknown, RBT non-irritating  
**Ames Test:** Not known,  
**Other:** non-irritating to skin (rbt), minimally irritating to eyes (rbt).  
**CIR conclusion:** safe as a cosmetic ingredient in the present practices of use and concentration.

### 11. DISPOSAL CONSIDERATIONS

Care must be taken to prevent environmental contamination from the use of this material. Dispose of unused material, residues, and containers in compliance with all relevant local, state and federal regulations.

### 12. TRANSPORT INFORMATION

**DOT Hazard Class:** not regulated  
**DOT Shipping Name:** Colloid protein, other than gelatin  
**ADR/RIC Code:** not regulated  
**Sea Transport IMDG Code:** not regulated  
**Air Transport IATA:** not regulated

### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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