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## Material Safety Data Sheet

### Hydrolyzed Keratin Powder MSDS

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

**Product Name:** Hydrolyzed Keratin Powder

**Catalog Codes:**

**CAS#:** Mixture.

**RTECS:** Not applicable.

**CI#:** Not applicable.

**Synonym:**

**Chemical Name:** Not applicable.

**Chemical Formula:** Not applicable.

**Contact Information for Emergency:** (0086) 551 65418678

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

**Composition:**

Name	CAS # %	By Weight
Hydrolyzed Keratin Powder	69430-36-0	≥ 85.0%
Water	7732-18-5	≤6.0%

**Toxicological Data on Ingredients:** Not applicable.

#### Section 3: Hazards Identification

**General:**OSHA Hazard Classification: This product is not considered to be hazardous under OSHA 29 CFR 1910.1200.

**Inhalation:**Not a respiratory irritant. Not expected to be toxic by inhalation.

**Eye Contact:** Contact would be expected to cause transient redness if not washed out and left in the eye for an extended period of time. No corneal involvement or visual impairment is expected.

**Skin Contact:**No adverse effects to health would be expected to occur from dermal contact. Not expected to be absorbed through the skin.

**Ingestion:**Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort with any or all of the following symptoms:nausea, vomiting, lethargy, or diarrhea.

**Exposure Guidelines:** No data

#### Section 4: First Aid Measures

**Eyes:**Flush eyes with plenty of water for 15 minutes. Call a physician if irritation develops.

**Skin:** Flush skin with water for 15 minutes. Call a physician if irritation develops.

**Inhalation:** Remove individual to fresh air.

**Ingestion:** Immediately drink water to dilute. Consult a physician if symptoms develop. Never give anything by mouth to an unconscious person.

**Physician's Note:** No data

#### Section 5: Fire and Explosion Data

**Flash Point:** Not available

**Auto-ignition Temp:** None

**Extinguishing Media:** Not applicable-Choose extinguishing media suitable for surrounding materials.

**Fire Fighting Procedures:** In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA).

**Fire and Explosion Hazards:** Material will not ignite or burn.

#### Section 6: Accidental Release Measures

**Personal Precautions:** Use of self-contained breathing apparatus is recommended for any major chemical spill.

**Safety Precautions:** Eliminate ALL ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan;

**Environmental Precautions:** Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.

**Methods For Cleaning Up:** Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Wipe small spills with cloth. Clean with hot water and detergent.

#### Section 7: Handling and Storage

**Handling:** Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. No smoking.

**Storage:** Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep from extreme heat and away from ALL sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid". Store in stainless steel drums or amber glass containers.

**Unsuitable Packaging Materials:** None established.

**Special Procedures:** None established

## Section 8: Exposure Controls/Personal Protection

**Respiratory Protection:** Not normally required. If misting occurs, wear a NIOSH approved respirator.

**Eye Protection:** Use safety glasses with side shields

**Protective Clothing:** Wear impermeable gloves, and impervious clothing.

**Engineering Controls:** No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.

**Other Protective Measures:** No data

## Section 9: Physical and Chemical Properties

**Appearance:** Powder

**Bulk Density:** Not available.

**Refractive Index:** Not available.

**Optical Rotation:** Not available.

**pH:** 4.5-6.5

**Solubility:** Not available.

**Flash Point:** Not applicable

**Lower Explosion Limit:** Not applicable

**Upper Explosion Limit:** Not applicable

**Autoignition Temperature:** Not applicable

**Melting Point:** Not available.

**Boiling Range:** Not available.

**Vapour Pressure:** Not available.

**Vapour Density:** Not available.

**Viscosity:** Not available

## Section 10: Stability and Reactivity Data

**Stability:** Chemically stable, hazardous material. This material presents no significant reactivity hazard.

**Conditions to Avoid:** None established.

**Materials to Avoid:** Strong acids, strong alkalis and oxidizing agents.

**Flammability:** Combustible solid.

**Hazardous Polymerization:** Will not occur.

**Hazardous Combustion or Decomposition Products :**Carbon monoxide and unidentified organic compounds

may be formed during combustion.

## Section 11: Toxicological Information

### Health Hazards

#### Acute Effects:

**Swallowed:** May be harmful.

**Eye:** May be irritating.

**Skin:** May be irritating.

**Inhalation:** May be harmful.

**Chronic Effects:** None identified.

**Mutagenic Effects:** None identified.

**Reproductive Effects:** None identified.

**Carcinogenic Effects:** None identified.

**Sensitisation:** None identified.

**Infectious:** Not applicable.

#### Acute Toxicity

**Short Term Toxicity:** Not available.

**Long Term Toxicity:** Not available.

**Human Exposure Tests:** Not available.

## Section 12: Ecological Information

**Eco-toxicity:** None established. Avoid pollution to soil, rivers and the ocean.

**Persistence & Degradability:** Low persistence level and readily biodegradable.

**Mobility:** Low mobility in the soil.

**Bio-accumulative Potential:** None established.

**Other Adverse Effects:** None established.

## Section 13: Disposal Considerations

**Waste Material:** Place material and / or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.

**Contaminated Packaging:** Dispose of in accordance with current applicable laws and regulations. Refer to local Authority advice.

**Note:** Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well

## Section 14: Transport Information

**Transportation:** Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required.

**Proper Shipping Name:** Not Regulated.  
**DG Class / Subsidiary Risk:** Not allocated.  
**Packaging Group:** Not allocated.  
**Special Precautions:** None established.  
**Hazchem Code:** Not allocated.

**Section 15: Other Regulatory Information**

Not applicable

**Section 16: Other Information**

**References:** Not available.  
**Other Special Considerations:** Not available.  
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