

## Type II Collagen Peptides

### Material Safety Data Sheet

#### Section 1: Product Identification

**Production Name:** Type II Collagen Peptides

**CAS#:**9064-67-9

**Contact Email:** cuiningning@bionutrichem.com

**Address:** Room 1111, Building B, Haidu Internation, NO 205 Zhengyang Road, Chengyang District, Qingdao, Shandong Province, China.

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

**Composition:**

Name	MW	% by Weight	CAS#
Type II Collagen Peptides	<1000 DA	100%	9064-67-9

**Toxicological Data in Ingredients:** Type II Collagen Peptides: ORAL (LD50): > 10000mg/kg [Rat]. > 10000mg/kg [Mouse].

#### Section 3: Hazards Identification

**Potential Acute Health Effects:**

Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant). Of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering and itching.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available

MUTAGENIC EFFECTS: Not available

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TERATOGENIC EFFECTS: Not available

DEVELOPMENTAL TOXICITY: Not available

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

### Section 4: First Aid Measures

#### **Skin Contact:**

After contacting with skin, wash immediately with plenty of water. Gently and thoroughly wash the contamination skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

#### **Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin an anti-bacterial cream. Seek medical attention.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

#### **Ingestion:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention

**Serious Ingestion:** Not available.

### Section 5: Fire and Explosion Data

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

**Auto-ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:**

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Risk of explosion of the product in presence of mechanical impact: No available.

Risk of explosion of the product in presence of static discharge: No available.

### **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:** Not available.

## 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 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 fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

### **Storage:**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

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### Section 8: Exposure Controls/Personal Protection

**Respiratory Protection:** Dust respirator. Wear an appropriate NIOSH/MSHA approved respirator.

**Ventilation:** Mechanical exhaust required.

**Protective Gloves:** Chemical resistant

**Eye Protection:** Safety goggles

**Other Protective Equipment:** Other protective clothing

**Work Hygienic Practices:** Remove contaminated clothing & shoes.

**Exposure Limits:** Not available.

### Section 9: Physical/Chemical Properties

**Appearance and Odor:** Solid **Physical state and appearance:** Solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Not available.

**Boiling Point:** Not available.

**Melting Point:** Decomposes.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

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

**Dispersion Properties:** Not available.

**Solubility:** Soluble in water, Insoluble in ethanol, acetone, and acetic acid.

### Section 10: Stability and Reactivity Data

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**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Not available.

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

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

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

**Polymerization:** No.

### Section 11: Toxicological Information

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

**Toxicity to Animals:** Acute oral toxicity (LD50) : >10000 mg/kg [Mouse].

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

**Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant), of ingestion, 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:** Not available.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short-term degradation products are not likely. However, long-term degradation products may arise.

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**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.

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

### Section 13: Disposal Considerations

**Waste Disposal:** Not available.

### 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:** TSCA 8(b) inventory: No products were found.

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications:**

**WHMIS (Canada):** CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):**

R38- Irritating to skin.

R41- Risk of serious damage to eyes.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

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**Health:** 2

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves.

Lab coat.

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

Wear appropriate respirator when ventilation is inadequate.

Splash goggles.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.