



EL NASR For Gelatin

**Halal Collagen (Pharmaceutical Grade)
Hydrolyzed Bovine Collagen MSDS
ISO 45001:2018 (OHSMS)/ ISO22000:2018 (FSMS) Certified**

1. SUBSTANCE IDENTIFICATION:

- 1.1. Product Name: Hydrolyzed Bovine Collagen (Collagen Peptide)
- 1.2. Description: Hydrolyzed Bovine Collagen is a form of collagen manufactured through hydrolysis of collagen.
- 1.3. Chemical Formula: Not Applicable.
- 1.4. Molecular weight: Not Applicable.
- 1.5. CAS #: 92113-31-0 / 73049-73-7
- 1.6. EINECS #: 295-635-5
- 1.7. Manufactured by: El Nasr For Gelatin Company.
- 1.8. Supplied by: El Nasr For Gelatin Company.
- 1.9. Usage: In Pharmaceutical –Medical and Cosmetics applications.

2. Composition:

- 2.1. Hydrolyzed Bovine Collagen: >90%.
- 2.2. Hazardous impurities: Mould & Yeast 50 cfu/g Max.

3. Physical/Chemical Characteristics:

- 3.1. Physical State: Powder.
- 3.2. Appearance: White to light yellow free flowing powder
- 3.3. Odor: Characteristic.
- 3.4. PH: 4.0- 7.0 .
- 3.5. Melting point/range: Decomposition at 100oC .
- 3.6. Boiling point: Decomposition before ebullition.
- 3.7. Bulk density: Not available.
- 3.8. Solubility: Easily soluble in Cold water.

4. Stability/Reactivity:

- 4.1. Chemical Stability: Stable under normal temperatures and pressures.
- 4.2. Shelf Life: 36 months period.
- 4.3. Hazardous decomposition: Carbon oxides (CO, CO2).
- 4.4. Hazardous polymerization: Will not occur.
- 4.5. Incompatible with: Not available.

5. Handling/Storage:

- 5.1. Storage: Kept in dry, and shaded place with original packaging, avoid moisture, store at room temperature.
- 5.2. Handling precaution: 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.



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6. Exposure Control:

- 6.1. Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator.
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles.
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Hydrolyzed Bovine Collagen need to be handled under some special conditions.

7. Hazards Identification:

- 7.1. Hazardous overview: Hydrolyzed Bovine Collagen is slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Non-hazardous in case of ingestion.
- 7.2. Contact with eyes: May cause skin irritation.
- 7.3. Contact with skin: May cause skin irritation.
- 7.4. Ingestion: No hazard expected in normal industrial handling.
- 7.5. Inhalation: May cause respiratory tract irritation.
- 7.6. Other: Not Applicable.

8. First Aid Measures:

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice.
- 8.2. Contact with skin: Wash the affected area with water, remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists.
- 8.3. Ingestion: Drink 1-2 glasses of water, seek medical attention if symptoms occur, No risk if small quantity ingested.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

9. Fire and Explosion Data:

- 9.1. General information: May be combustible at high temperature.
- 9.2. Flash point: Not Applicable.
- 9.3. Ignition control: Avoid ignition sources where Hydrolyzed Bovine Collagen dust might be generated.
- 9.4. Dust control: Keep the handling area with adequate ventilation.
- 9.5. Extinguishing Media: Water spray, dry chemical or carbon dioxide.
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

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10. Transport Information:

10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information:

11.1. Hydrolyzed Bovine Collagen is fully biodegradable.

12. Disposal considerations:

12.1 Waste treatment methods Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

13. Other Information:

12.1. This Safety Data Sheet of Hydrolyzed Bovine Collagen is based upon a limited review of El Nasr For Gelatin Company files and standard Toxicological handbooks. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.