

HEALAN

INGREDIENTS

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PRODUCT SAFETY DATA SHEET FOR BOVINE GELATINE

1. IDENTIFICATION

Product: BOVINE GELATINE TYPE B
Gelatinizer, stabilizer and thickener used as a food additive

CAS No. 9000-70-8

EINECS No. 232-554-6

2. HAZARD IDENTIFICATION

Main Hazards: None. Not toxic. Not considered allergenic.

Signs + specific risks: Contact for prolonged periods could cause blockages of the respiratory tract due to swelling as the dust absorbs body moisture.

Recommendations: None.

3. COMPOSITION

Water soluble protein containing collagen raw materials sourced from the bovine species. Its composition is more than 85% protein, less than 15% water and less than 2% inorganic ash.

4. FIRST AID MEASURES

Skin Contact: Wash with soap and water.

Eye contact: The dry powder may cause irritation. Remove contact lenses then rinse with plenty of clean water.

Ingestion: No detrimental health effects as it is a food ingredient.

Inhalation: No detrimental health effects but remove from exposure and move to fresh air.

No known acute or long term effects from exposure to this product.

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5. FIRE

Treat as "Class A" fire

Extinguishing Media: Water, Foam, Powder, CO₂

Explosion hazards: Low hazard.

Specific hazards: Can produce a dense acrid smoke containing carbon monoxide.

Protective measures in fire: In case of fire self-contained breathing apparatus and full protective clothing must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear a dust mask in compliance with national legislation. If material comes into contact with water, walking surfaces will be extremely slippery.

Environmental precautions Not expected to cause an environmental hazard as a result of its intended use, disposal, or incineration. Product is classed as bio-degradable.

Methods and materials for containment and cleaning up Collect by vacuum or brushing. Wash with water (hot if available). Dispose of by any locally approved method for the disposal of non-hazardous domestic waste.

7. HANDLING & STORAGE

Safe Handling: To be handled in an open and well ventilated area in order to avoid dust formation.
Keep away from heat, flame sparks and other ignition sources.

Hygiene measures Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Provide adequate ventilation.

Storage: Store in a clean place between 5°C and 25°C in original sealed packaging to avoid spillages. Store away from strong odours and possible contaminants. Store cool and dry. Re-seal once opened and avoid moisture and high humidity.

8. PRECAUTIONS

Exposure Limits: None

Respiratory Protection: Wear a dust mask type P1 when handling

Hand Protection: None required

Eye Protection: None required

Skin and body protection Protective work clothing recommended

9. PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance:	Granular powder.
Colour:	Pale yellow or straw coloured
Odour:	Faint odour of originating animal
Melting Point:	45 - 60°C
Boiling Point:	Not applicable
Ignition Temperature:	Not applicable
Solubility:	Swells in cold water, soluble in warm water >40°C, insoluble in fat or oil
pH:	4.5 – 6.5
Moisture	<15%

10. STABILITY + REACTIVITY

Stability:	Stable in normal conditions for at least 5 years
Conditions to avoid:	Avoid contact with moisture and heat
Incompatible materials	Strong oxidizing agents
Hazardous Decomposition:	The product does not spontaneously decompose. The products of thermal decomposition may include carbon dioxide, carbon monoxide and nitrous oxide.

11. TOXICOLOGICAL DATA

Non Toxic:	Non-toxic food additive product.
Skin Contact:	None
Eye Irritation:	None
Dust:	None Treat as nuisance dust with normal dust control measures.

Handle in accordance with good industrial hygiene and safety practice.

12. ECOLOGICAL DATA

Toxicity (fish):	Not toxic to aquatic life and not harmful to the environment.
Bio-degradability:	Bovine gelatine is fully biodegradable with no bioaccumulation.

13. DISPOSAL

Disposal of product:	Can be recycled. Destruction in accordance with local regulations. Causes no environmental problems when disposed of on the land or in water.
Packaging:	Can be recycled.

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14. **TRANSPORTATION**

Road, Sea, Air:

Bovine gelatine is not considered dangerous for transportation and requires no special precautions.
Avoid humidity.

15. **LEGISLATION**

Bovine Gelatine:

In Europe, gelatine for human consumption is regulated according to Regulation 853/2004, which lays down specific hygiene rules for food of animal origin and Regulation 2073/2005/EC, which lays down rules on the microbiological criteria for foodstuffs.
It is not classified according to CLP regulation EC 1272/2008
Classification and labelling according to EC regulations.

ADDITIONAL INFORMATION

The recipient of goods from Healan Ingredients Ltd is responsible for observing current legislation and regulations. The information above is from reputable sources and is to the best of our knowledge current to date. It is not warranted to comply completely with the law.

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