

From: Gelnex Indústria e Comércio Ltda

Customer: Medimpex Zrt

Issue Date: April 28, 2020

Product: Beefskin Gelatin

MATERIAL SAFETY DATA SHEET

Section 1: Identification

Product Identification:

Product Name: Beefskin Gelatin

Synonym: Gelatin

CAS#: 9000-70-8

CI#: Not available

Chemical Formula: Not available

Details of the supplier:

Manufacturer:

Rodovia GO 060 Km 63, s/n – Zona Rural – Nazário (GO) – Brazil

Website: www.gelnex.com.br

Telephone: + 55 (64) 3680-7000

Fax: + 55 (64) 3680-7001

Emergency phone number: + 55 49 3458 3524

Recommended use of the chemical and any restrictions on use:

This product acts as a gelling agent, emulsifier, thickener, binder, foam former (aerator) and film former. In the presence of water, the product forms a slippery surface and may be combustible at high temperatures.

Section 2: Hazard Identification

Hazard Classification:

Not classified as hazardous for supply (OSHA 29 CFR 1910.1200).

Signal Word: None

Hazard Statement: None

Symbols: None

Precautionary Statement:

- Sensitive people can experience reactions. Low degree of risk.
- In the presence of water, the product forms a slippery surface.

Recommendations: The contact with skin, eyes or inhalation may be irritating to sensitive people due to the hydrophilic properties of the product.

Section 3: Composition/ Information on Ingredients

Chemical Name: Gelatin

Common Name and synonyms: Gelatin, Beefskin Gelatin and collagen.

CAS-Nº.: 9000-70-8

Composition: 84 – 87 % Protein
10 – 12 % Water
01 – 02 % Ash

Additional Information: EINECS/ELINCS/EC-Nº.: 232-554-6

This product does not contain any hazardous substances at the concentration limits given in OSHA Hazard Communication Standard 29 CFR 1910.1200.

Section 4: First-Aid Measures

In contact with eyes: In case of contact, remove contact lenses and immediately flush your eyes with plenty of water for at least 15 minutes. In case of irritation, seek medical attention.

In contact with skin: Wash with soap and water. In case of irritation, seek medical attention.

In case of inhalation: Breathe fresh air. If you have trouble breathing, seek medical attention.

Ingestion: There is no risk if ingested in small quantities. If large quantities are ingested, seek medical attention.

Section 5: Fire-Fight Measures

Flammability of the Product: May be combustible at high temperatures.

Treat as fire of “CLASS A”

Water – Foam – Chemical – CO₂

Specific Dangers: This product can ignite in the presence of fire and can continue when the flame disappears. The characteristic smoke of the product can be compared with that of an organic one.

Section 6: Accidental Release Measure

Small spills: Remove the material by suction to prevent the formation and accumulation of dust or use appropriate tools to put the spilled solid in a suitable trash container. If necessary, wash the surface with water.

Large spills: Use a shovel to put the spilled solid in a suitable trash container. If necessary, wash with water the surface.

Caution: The surfaces can become slippery if cleaning is not performed correctly.

Section 7: Handling and Storage

Handling: Handle in a ventilated area, avoid wet spaces and keep it away from heat.

Storage: Store the final product in a place free from heat sources, protecting it from extreme temperatures, light and humidity. Store it separately from chemicals.

Section 8: Exposure Control / Personal Protection

Control Parameters

There are no recommended or established controls for this product.

Exposure Control

Facilities: Fan, exhaust fans or some form of control must be used in the local to maintain levels of air contamination below the recommended exposure limit. For operations that generate dust, smoke or fog, ventilation should be used to keep exposure to aerial contaminants below the recommended limit.

Personal Protection:

- Protection of hands: The use of disposable gloves for handling is recommended.
- Eye protection: The use of safety glasses when handling is recommended.
- Respiratory protection: The use of masks while handling is recommended.

Section 9: Physical and Chemical Properties

Physical state: Solid (Dust).

Color: Light Yellow.

Explosive Properties: This product is classified of low to moderate ability for explosions for low values of mesh and null explosions for high mesh.

Odor: Odorless.

Taste: Characteristic.

Vapor pressure: No information available.

Vapor density: No information available.

pH in water: 4.7 – 6.5.

Density: 0.5 – 0.8 g/cm³.

Melting point: it degrades at temperatures >100°C.

Solubility: In hot water solution of 35%. It is not soluble in cold water.

Boiling point: it degrades before boiling.

Flash point: No information available.

Evaporation rate: No information available.

Flammability (solif,gas): No information available.

Partition coefficient: n-octanol/water: No information available.

Auto-ignition temperature: Product is not self-igniting.

Decomposition temperature: No information available.

Viscosity: 36 – 45 mPs.

Section 10: Stability and Reactivity

Reactivity: It may react on contact with tannin and formaldehyde.

Chemical Stability: This product is classified of low to moderate ability for explosions for low values of mesh and null explosions for high mesh.

Conditions of instability: Excessive heat.

Risk Conditions: This product presents no potential risk if used under normal conditions.

Section 11: Toxicological Information

On skin contact: May be irritating to sensitive people.

On eye contact: May be irritating to sensitive people.

Inhalation: May cause irritation in the airways.

Ingestion: Large doses may cause gastrointestinal disturbance.

Carcinogenicity:

-IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

-NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

-OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12: Ecological Information

Toxicity: This product is not toxic, but its spread in the environment should be avoided.

Biodegradation: This product is 100% biodegradable.

Section 13: Disposal Consideration

Destroying the product: Recycling is not possible. It must be disposed in appropriate locations in accordance with current federal and environmental regulations.

Section 14: Transport Information

UN Number: Not classified as hazardous for transport.

UN Proper Shipping Name: Not applicable.

Transport Hazard Classes: Not applicable.

Environmental Hazards: Not classified.

Road: It is not dangerous.

By sea: It is not dangerous.

By air: It is not dangerous.

Specificity: Avoid humidity.

Section 15: Regulatory Information

The nutritional quality of this product conforms to international standards and in particular with AFNOR, as well as European and American regulations regarding food gelatin.

Section 16: Other Information

The information contained in this safety data sheet is based on reliable sources and knowledge acquired over the years, performing in accordance with the law. It is the user's responsibility to take precautions and comply with Good Manufacturing Practices. ***Attention to the potential dangers that may result from inappropriate use of the product.***

Last revision: August, 2018.



Marcos Pinto Ribeiro
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