

# HEALTH AND SAFETY DATA SHEET

## 01 - IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

- 1.1 Product Name : **RABBIT SKIN GLUE**  
Glue Code # RS33503/55
- 1.2 Company : **Hellmann GmbH**  
**Martinstrasse 18**  
**87700 Memmingen**
- 1.3 Contact : **Mr. Jörg Hellmann**  
**TEL : +49 (0)8331 - 49 95 95**  
**FAX : + 49 (0)8331 - 49 95 96**  
**e-mail: info@hellmann-leim.de**

## 02 - COMPOSITION

- Description: Light brown or brown granules or powder. The main ingredients is glutine. Glutine is a protein which belongs to the scleroproteins. It also contains unobjectionable additives in very small concentrations.
- Hazardous ingredients: None.

## 03 – POTENTIAL HAZARDS

- No special hazards for human beings or the environment.

## 04 - FIRST AID MEASURES

- After inhalation: If used according to directions, there will be no development of harmful fumes.
- After skin contact without burning (scalding): For hygienic reasons, we recommend washing the affected area with water and soap. In the case of a burn proceed as when treating a burn caused by harmless fluids.
- After eye contact: Wash with water. – Consult medical practitioner.
- After swallowing: Ingestion of large amounts can cause health trouble. Consult medical practitioner!
- Directions for the medical practitioner: The main ingredients are readily digestible or inert.

## 05 - FIRE-FIGHTING MEASURE

- Directions: The preparation has self-extinguishing properties and does not pose a fire hazard. Use fire fighting measures according to the surroundings.
- Suitable fire extinguishing substances: See directions.
- Fire extinguishing substances that are not suitable for safety reasons: See directions.
- Special risks associated with the preparation, it is combustion products or gas emissions: Not known.
- Special protection equipment for fire fighting: See directions

## **06 - ACCIDENTAL RELEASE MEASURES**

- • Personal precautionary measures: The solid preparation does not pose any handling hazards in the delivery state and at ambient temperature. However it is intended for use in water-based preparation at 60°.
- • Environmental protection measures: The preparation is solid at ambient temperatures. In this state no special environmental protection measures have to be taken.
- • Measures for cleaning and removal: The preparation may be swept up mechanically.
- • Additional directions: The preparation shows moisture expansion in cold water. In warm water (>35°C) it dissolves. It readily degrades in adapted biological purification plants.

## **07 - HANDLING AND STORAGE**

- • Directions for safe handling: No special directions.
- • Directions for fire and explosion protection: No fire or explosion hazard.
- • Requirements for storage rooms and containers: Store in a cool and dry place for best storage stability.
- • Directions for joint storage: No special directions.
- • Further directions for storage conditions: No further directions.
- • Storage classification: No hazardous material.

## **08 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

- • Additional directions for the design of technical plant: None
- • Ingredients subject to workplace-specific limit value: None
- • General protection and hygienic measures: None
- • Protection against inhalation: Use of dust respirator is recommended when dust develops.
- • Protection of hands: Use of protective gloves, for example thermally insulated rubber gloves, is recommended when directly handling the preparation in the molten water-based preparation.
- • Protection of eyes: Use of protective goggles is recommended when directly handling the preparation in the molten water-based preparation.
- • Protection of body: No special protection of body required.

## **09 - PHYSICAL AND CHEMICAL PROPERTIES**

- • Consistency: Granules or coarse powder
- • Colour: Light brown to brown
- • Smell: Typical/mild
- •

**Safety data:**

- • Change of state solid/fluid: Carbonisation at temperatures > 200 C
- • Flash point: Not applicable
- • Inflammability: Not applicable (self-extinguishing)
- • Ignition point: >200°C
- • Spontaneous Ignition: None
- • Fire propagating properties: None
- • Explosion hazard: None
- • Explosibility limit: Not applicable
- • Vapour pressure at 20°C: Not established
- • Density at 20° C: Approximately 0,5 – 0,8 g/cm<sup>3</sup>
- • Solubility in water: Unlimited miscibility. (Insoluble in organic solvents and grease)
- • PH-Value at 60° C in 12,5% solution: 5,5 – 7,5
- • Distribution coefficient n-octanol/water: Not known
- • Viscosity: Solid material
- • Solvent separation test: Not applicable (No organic solvent content)
- • Solvent content: 0%
- • Other information: None

**10 - STABILITY and REACTIVITY**

- • Conditions to be avoided: Long-term exposure to temperatures above 65° C will lead to thermal degradation of the glutine molecule without dangerous reactions in the water-based preparation.
- • Materials to be avoided: Not known
- • Hazardous decomposition products: Not known
- • Other information: Heating up to 200 – 300 °C will cause carbonization and puff-up of the preparation. After removing the heating source the preparation shows self-extinguishing properties.

**11 - TOXICOLOGICAL INFORMATION**

- • Acute toxicity: No ingredients with compulsory identification.
- • Subacute to chronic toxicity: No research results.
- • Experiences in terms of human toxicology: No negative experiences.
- • Other information: None

## **12 - ECOLOGICAL INFORMATION**

- • Valuation text: According to our experience completely biodegradable.
- • Other information: None
- • AOX-related directions: Contains negligibly small amounts of halogen-organic compounds.
- • Formulations contain neither heavy metals nor heavy metal compounds, and comply with EN 71-3 (Safety of toys, Part 3: Migration of specific elements).
- • General directions: None

## **13 - DISPOSAL CONSIDERATIONS**

### **Product:**

- • Direction: The preparation is degradable and compostable, washing water may be discharged to communal purification plant.
- • Waste code number under European Catalog of Wastes: 080403  
Wastes of water-miscible adhesives and packing compound (not subject to monitoring).

### **Uncleaned packaging:**

- • Material is removable from bags without any residues.
- • Recommended cleaning agent: Not necessary.

## **14 - TRANSPORT INFORMATION**

- • No hazardous goods.

## **15 - Regulations**

- • No compulsory identification under EC directives and national regulations.
- • Classification: Water-hazard rating I (Self-classification).

## **16 - OTHER INFORMATION/BIBLIOGRAPHIC REFERENCES**

- • This information is based on our present knowledge. However it is not to be understood as a legally binding assurance of product properties.