

08987-1124

**SAFETY DATA SHEET (SDS)**

Prepared in accordance with U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System (GHS), Revision 9

Revision Date: 11 July 2025

1. IDENTIFICATION

Product Identifier: Animal Collagen Adhesives – Genuine Rabbit Skin Glue (SKU 510-21GRSG); Rabbit Skin Glue (SKU 510-21RSG); Hide Glue (SKU 510-21HDG); Technical Gelatin (SKU 510-21THG); Bone Glue Pearls (SKU 510-21BGL); Gelatin Sheets (SKU 510-21GLS)

Recommended Use: Traditional adhesive or sizing agent for fine-art, woodworking, gilding, and conservation applications.

Manufacturer/Supplier: Natural Pigments, LLC | 291 Shell Lane, Willits, CA 95490 USA | +1-707-459-9998 (business)

Emergency Telephone (24 h): +1-800-424-9300 (CHEMTREC US) | +1-703-527-3887 (International)

2. HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as hazardous under UN GHS Rev. 9 or OSHA HazCom 2012.

Label Elements (GHS):

- **Pictogram:** None required
- **Signal Word:** None
- **Hazard Statements:** None required – product is not classified.

- **Precautionary Statements:**

- P501 Dispose of contents/container in accordance with local regulations.

Other Hazards: Dust generated during grinding or handling may cause mechanical irritation of the eyes, skin, or respiratory tract. Individuals allergic to animal proteins may develop sensitization or respiratory/dermal reactions. Heated solutions (> 60 °C) can cause thermal burns.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Applicable Products	GHS Classification
Collagen protein (gelatin; hide glue)	9007-34-5	≥ 99	All listed products	Not classified
Minor natural contaminants (calcium phosphate, trace minerals)	—	≤ 1	Bone Glue Pearls	Not classified

Genuine Rabbit Skin Glue is derived from rabbit skins; other products are derived from bovine or porcine hide/bone. All constituents are non-hazardous in the supplied form.

4. FIRST-AID MEASURES

- **Inhalation:** Move person to fresh air. If symptoms persist, seek medical attention.
 - **Skin Contact:** Wash with soap and water. Discontinue use if irritation occurs.
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- **Eye Contact:** Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth with water. Not expected to be harmful, but seek medical advice if large amounts are swallowed or if discomfort occurs.

Most Important Symptoms/Effects: Possible dermal or respiratory allergic response in sensitized individuals; mechanical irritation from dust.

5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Water spray, foam, dry chemical, or carbon dioxide.
 - **Unsuitable Media:** None known.
 - **Specific Hazards:** Combustion may produce CO, CO₂, and nitrogen oxides. Fine dust may form explosive mixtures in air.
 - **Protective Equipment for Firefighters:** Self-contained breathing apparatus and full protective gear.
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6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid creating airborne dust. Wear appropriate PPE.
 - **Containment/Clean-up:** Sweep or vacuum (HEPA) spilled material. Avoid dry sweeping if dust generation is significant; dampen material if necessary. Dispose of residues in accordance with local regulations.
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7. HANDLING AND STORAGE

- Handle in well-ventilated area to minimize dust.
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- Store in tightly closed containers in a cool, dry location ($\leq 25^{\circ}\text{C}$) with $< 60\%$ relative humidity.
- Prevent moisture ingress; product may gel or mold when wet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits (nuisance dust):

Substance	Limit	Agency
Particulates not otherwise regulated	15 mg/m ³ (total), 5 mg/m ³ (resp.) TWA	OSHA PEL
Particles not otherwise specified (inhalable)	10 mg/m ³ TWA	ACGIH TLV

Engineering Controls: Local exhaust ventilation where dust is generated.

Personal Protective Equipment:

- **Eye/Face:** Safety glasses with side shields.
- **Skin:** Gloves for prolonged exposure or hot solutions.
- **Respiratory:** NIOSH-approved particulate respirator (e.g., N95) if airborne dust exceeds limits.

9. PHYSICAL AND CHEMICAL PROPERTIES (typical)

Property	Value
Appearance	Light amber/cream granules, pearls, or sheets
Odor	Mild, characteristic protein odor
pH (1 % solution)	5.0 – 7.0
Melting Point	Softens > 40 °C
Boiling Point	Not applicable (solid)
Flash Point	Not applicable (non-volatile)
Flammability	Combustible dust
Density	1.2 – 1.4 g/cm ³
Solubility (water)	Swells, then dissolves in hot water (> 45 °C)
Viscosity (6.67 % solution @ 60 °C)	20 – 300 mPa·s (grade dependent)

10. STABILITY AND REACTIVITY

- **Reactivity:** Low; stable under normal conditions.
 - **Chemical Stability:** Stable if kept dry and cool.
 - **Hazardous Reactions:** None expected.
 - **Conditions to Avoid:** Moisture, high humidity, elevated temperatures, open flames.
 - **Incompatible Materials:** Strong oxidizers; acids/bases may hydrolyze protein.
 - **Hazardous Decomposition Products:** CO, CO₂, nitrogen oxides, ammonia when burned.
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11. TOXICOLOGICAL INFORMATION

Low acute toxicity; LD₅₀ > 5 g/kg (oral, rat). Not classified as carcinogenic, mutagenic, or toxic to reproduction.

Sensitization: May cause allergic reactions in sensitized individuals.

12. ECOLOGICAL INFORMATION

Biodegradable protein; large releases may contribute to nutrient loading in water bodies. No chronic aquatic toxicity expected.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal regulations. Protein waste may be composted or landfilled. Do not discharge large quantities to waterways.

14. TRANSPORT INFORMATION

Not regulated as a dangerous good by DOT, IMDG, or IATA.

15. REGULATORY INFORMATION

- **TSCA:** Collagen/gelatin listed or exempt.
 - **SARA 311/312:** Not classified.
 - **Proposition 65:** No listed substances present.
 - **WHMIS 2023 (Canada):** Not controlled.
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16. OTHER INFORMATION

This SDS consolidates multiple animal collagen adhesive products. Information is believed to be accurate as of the revision date and is provided without warranty. Users are responsible for safe handling in compliance with current regulations.

Revision History

- 11 Jul 2025 – Initial combined SDS issued.
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