



SAFETY DATA SHEET

GILDERS SPECIALTY PRODUCTS

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product code

GGs Series

Product name

Gelatin Gold Leaf Size

Product category

Water-Based Adhesive Size

Other means of identification

Synonyms

None

Recommended use of the chemical and restrictions on use

Recommended use

Water-based adhesive size for gold leaf gilding. The sheets are soaked and dissolved in water before use.

Details of the supplier of the safety data sheet

UNITED STATES

Gilders Specialty Products

60480 Christy Lane

Angie, La 70426

Tel: **1-800-531-3359**

www.gildersspecialtyproducts.com

Emergency telephone number

USA: Chemtrec: +001-800-424-9300

Outside USA: Chemtrec: +001-703-527-3887

24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION

Classification

Not classified as hazardous.

Label elements

No hazard pictograms required.

Signal Word

None

Signal Word(s): None. Hazard Symbol(s): None. Hazard statement(s): None. Precautionary statement(s): None required. Note: Gelatin dust (if sheets are ground) may cause mechanical irritation to eyes and respiratory tract. Good hygiene practice is recommended.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Single-substance product. No hazardous ingredients.

Component	CAS-No	Weight %	Trade Secret	Note
Gelatin (food grade, gold grade sheets)	9000-70-8	100		

4. FIRST AID MEASURES

Description of first aid measures

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse with water for several minutes. Remove contact lenses if present and easy to do.

Skin Contact

No adverse effects expected. Wash with soap and water.

Inhalation

Not an expected route of exposure for sheets. If dust is inhaled, move to fresh air.

Ingestion

Food-grade material; no adverse effects expected. Rinse mouth and drink water.

Most important symptoms and effects, both acute and delayed

None known. Dust may cause mild mechanical irritation of eyes, nose and throat.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, foam, dry chemical powder, carbon dioxide.

Specific Hazards Arising from the Chemical

Combustible solid. Fine gelatin dust dispersed in air may form an explosive mixture if ignited (not expected for intact sheets). Combustion may produce carbon monoxide, carbon dioxide and nitrogen oxides.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus if large quantities are involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

No special precautions required. Avoid raising dust.

Environmental precautions

No special environmental precautions required. Biodegradable natural protein.

Methods and material for containment and cleaning up

Sweep up or pick up sheets and place in a suitable container for disposal or reuse. Wash area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good hygiene practice.

Avoid generating dust. Wash hands after handling.

Conditions for safe storage, including any incompatibilities

Storage

Store in a cool, dry place in the original packaging. Protect from moisture and humidity - gelatin sheets swell and dissolve in water. Keep out of the reach of children.

Incompatible Products

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

Component	ACGIH TLV	OSHA PEL
Gelatin 9000-70-8	Not established	Not established (PNOR: 15 mg/m ³ total dust, 5 mg/m ³ respirable)

Appropriate engineering controls

Engineering Measures

Provide a good standard of general ventilation. None required for normal use.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Not required; wear safety glasses if dust is generated.

Skin Protection

Not required; gloves optional for hygiene.

Respiratory Protection

Not required for sheets; wear a dust mask if grinding sheets into powder.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid (sheets)	Appearance	Thin, translucent amber/yellow sheets
Odor	Odourless	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Approx. 4.5 - 6.5 (aqueous solution)		
Melting Point / Freezing Point	Dissolves/swells; gels on cooling (no sharp melting point)		
Boiling Point / Boiling Range	No data available		
Flash Point	Not applicable		
Evaporation rate	Not applicable		
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		

Vapor Pressure	Not applicable
Vapor Density	Not applicable
Specific Gravity	No data available
Water Solubility	Swells in cold water; soluble in hot water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	Not applicable
Dynamic viscosity	Not applicable
Explosive Properties	Fine dust dispersed in air may form an explosive mixture if ignited
Oxidizing Properties	No data available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reactions known under normal conditions.

Chemical stability

Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions

None known.

Conditions to avoid

Moisture and high humidity (product swells/dissolves).

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None under normal conditions; combustion produces carbon monoxide, carbon dioxide and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Not an expected route of exposure for sheets.
Eye Contact	Dust may cause mild mechanical irritation.
Skin Contact	No adverse effects expected.
Ingestion	Food-grade material; no adverse effects expected.

Information on toxicological effects

Symptoms	None known. Dust may cause mild mechanical irritation of eyes, nose and throat.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity	Not classified - food-grade protein, non-toxic by ingestion, inhalation and skin contact.
Skin corrosion/irritation	Not classified.

Eye damage/irritation	Not classified (dust may cause mild mechanical irritation).
Sensitization	Not classified.
Mutagenic Effects	Not classified.
Carcinogenic effects	Not classified; gelatin is not listed as a carcinogen by OSHA, IARC or NTP.
Reproductive Effects	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not classified as hazardous to the aquatic environment.

Persistence and Degradability

Readily biodegradable - natural protein.

Bioaccumulation

Not expected to bioaccumulate.

Other adverse effects

Do not discharge large quantities into waterways without checking local requirements.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods

Dispose of in accordance with all applicable federal, state and local regulations. Gelatin is biodegradable and may be disposed of with normal refuse.

Contaminated Packaging

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

14. TRANSPORT INFORMATION

Note:

This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

This material is not regulated as a dangerous good under DOT, IATA or IMDG. No UN number, hazard class or packing group is assigned.

15. REGULATORY INFORMATION

International Inventories

Gelatin (CAS 9000-70-8) is listed on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor).

U.S. Federal Regulations

OSHA

Not classified as hazardous under 29 CFR 1910.1200 (HazCom 2012).

SARA Title III

Not listed as an extremely hazardous substance.

FDA

Gelatin is generally recognized as safe (GRAS) as a food ingredient.

California Prop. 65

This product is not known to contain chemicals listed as causing cancer or reproductive harm.

16. OTHER INFORMATION**HMIS:**

Health	Flammability	Reactivity	Personal Protection
0	1	0	X

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

Revision Date September 28-2026

Disclaimer

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.

End of Safety Data Sheet