Safety Data Sheet (SDS)

1. Identification

Product Name: Human-Driven Fibrin

Chemical Name: Fibrin

CAS Number: 29005-48-9

Intended Use: Tissue engineering, additive manufacturing, regenerative medicine.

Manufacturer Information:

Name: Tissuerex

Address: Hermann-Löns-Straße, Baiersdorf, 91083, Deutschland

Phone: [Contact Number]

Email: tissurex@gmail.com

2. Hazard Identification

Classification: Non-hazardous material under normal conditions of use.

Signal Word: Not applicable.

Hazards:

Not classified as dangerous for human health or the environment.

Precautionary Statements:

Avoid inhalation of fine particles.

Use in a well-ventilated area.

3. Composition/Information on Ingredients

Chemical Composition: Fibrin extracted from human blood plasma.

Particle Size: 50 to 150 µm.

4. First-Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water. Seek medical advice if irritation occurs.

Eye Contact: Rinse thoroughly with water. If irritation persists, consult a physician.

Ingestion: Rinse mouth and drink water. Seek medical attention if discomfort arises.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, or CO_2.

Special Hazards: Not flammable under normal conditions.

Protective Equipment: Wear self-contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions: Avoid generating dust. Ensure proper ventilation.

Cleanup Methods: Sweep or vacuum the material and dispose of in accordance with local regulations.

7. Handling and Storage

Handling: Avoid inhaling particles. Use proper personal protective equipment (PPE).

Storage: Store in a cool, dry place away from moisture and direct sunlight.

8. Exposure Controls/Personal Protection

Engineering Controls: Use local exhaust ventilation if dust is generated.

PPE:

Eye Protection: Safety glasses.

Skin Protection: Gloves.

Respiratory Protection: Dust mask if particles are airborne.

9. Physical and Chemical Properties

Appearance: White powder.

Odor: Odorless.

pH: Neutral.

Melting Point: Not applicable.

Solubility: Soluble in aqueous solutions.

10. Stability and Reactivity

Stability: Stable under normal conditions.

Incompatible Materials: Strong oxidizing agents.

11. Toxicological Information

Acute Toxicity: Non-toxic under normal use.

Skin and Eye Irritation: Not expected to cause irritation.

Inhalation: Fine particles may cause respiratory discomfort.

12. Ecological Information

Environmental Impact: Biodegradable; not harmful to the environment.

13. Disposal Considerations

Dispose of in compliance with local regulations.

14. Transport Information

UN Number: Not applicable.

Transport Hazard Class: Not classified as hazardous.

15. Regulatory Information

Complies with local and international regulations for non-hazardous materials.

16. Other Information

Revision Number: 1.0