Safety Data Sheet (SDS)

1. Identification

Product Name: Human-Driven Bone ECM

Chemical Name: De-cellularized bone matrix

CAS Number: 29005-80-1

Intended Use: Orthopedic, dental, and tissue engineering applications.

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.

Handle in a well-ventilated area.

3. Composition/Information on Ingredients

Chemical Composition: Calcium and phosphate minerals.

Particle Size: Average 200 µm.

4. First-Aid Measures

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

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Flush eyes with water for at least 15 minutes. Seek medical attention if necessary.

Ingestion: Rinse mouth and consult a physician if discomfort arises.

5. Fire-Fighting Measures

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

Special Hazards: Non-flammable under normal conditions.

Protective Equipment: Standard firefighting protective equipment.

6. Accidental Release Measures

Personal Precautions: Avoid generating dust. Use proper ventilation.

Cleanup Methods: Collect material and dispose of in accordance with local regulations.

7. Handling and Storage

Handling: Avoid inhalation and direct skin contact. Use appropriate PPE.

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

8. Exposure Controls/Personal Protection

Engineering Controls: Ensure adequate ventilation in workspaces.

PPE:

Eye Protection: Safety goggles.

Skin Protection: Protective gloves.

Respiratory Protection: Dust mask if airborne particles are present.

9. Physical and Chemical Properties

Appearance: White powder.

Odor: Odorless.

pH: Neutral.

Melting Point: Not applicable.

Solubility: Insoluble in water and most organic solvents.

10. Stability and Reactivity

Stability: Stable under normal storage and handling conditions.

Incompatible Materials: Strong acids and oxidizing agents.

11. Toxicological Information

Acute Toxicity: Non-toxic under normal conditions of use.

Skin and Eye Irritation: Not expected to cause irritation.

Inhalation: May cause respiratory discomfort if fine particles are inhaled.

12. Ecological Information

Environmental Impact: Biodegradable; not expected to pose environmental hazards.

13. Disposal Considerations

Dispose of in accordance with local, regional, and national 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