Safety Data Sheet (SDS) for Dermal Fillers

1. Identification

Product Name: Dermal Fillers
Chemical Name: Carboxymethyl Cellulose, Alginate, and Polycaprolactone Microspheres
CAS Numbers: 29005-45-6
Intended Use: Aesthetic applications, tissue augmentation, and therapeutic use.
Manufacturer Information:
Name: TissueRex
Address: Hermann-Löns-Straße, Baiersdorf, 91083, Deutschland
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 direct contact with eyes.
- Use in accordance with recommended guidelines.

3. Composition/Information on Ingredients

Chemical Composition: A blend of Carboxymethyl Cellulose, Alginate, and Polycaprolactone Microspheres.
CAS Numbers: 29005-45-6

4. First-Aid Measures

Inhalation: Not applicable for gel products. If inhaled as fine particles during handling, remove the individual to fresh air.
Skin Contact: Wash with soap and water. Seek medical attention if irritation occurs.
Eye Contact: Rinse eyes thoroughly with water for several minutes. Seek medical advice if irritation persists.
Ingestion: Rinse mouth and drink water. Seek medical advice if discomfort occurs.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, or CO_2.
Special Hazards: Combustion may produce carbon monoxide (CO) and carbon dioxide (CO_2).
Protective Equipment: Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Avoid contact with eyes and skin. Ensure adequate ventilation if processing generates airborne particles.
Cleanup Methods: Scoop up spilled gel and place in a suitable disposal container. Wash the area with water.

7. Handling and Storage

Handling:
- Avoid direct contact with eyes and skin.
- Use clean, dry tools for handling.

Storage:
- Store in a cool, dry place away from direct sunlight and heat.
- Keep container tightly closed.

8. Exposure Controls/Personal Protection

Exposure Limits: Not applicable.
Engineering Controls: Ensure adequate ventilation when handling in bulk.
Personal Protective Equipment (PPE):
- Eye Protection: Safety glasses.
- Skin Protection: Protective gloves.
- Respiratory Protection: Not typically required for gel products.

9. Physical and Chemical Properties

Appearance: Gel, yellow.
Odor: Odorless.
pH: Neutral.
Melting Point: Not applicable.
Boiling Point: Not applicable.
Solubility: Partially soluble in water.

10. Stability and Reactivity

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Excessive heat, open flames, and freezing temperatures.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

11. Toxicological Information

Acute Toxicity: Non-toxic under normal conditions.
Skin Irritation: Not expected to cause irritation.
Eye Irritation: May cause minor irritation upon direct contact.
Inhalation: Not applicable for gel products.

12. Ecological Information

Environmental Impact: Biodegradable under natural conditions.
Aquatic Toxicity: Not expected to pose significant hazards.

13. Disposal Considerations

Dispose of waste material in accordance with local, regional, and national regulations.

14. Transport Information

UN Number: Not applicable.
Transport Hazard Class: Not classified as hazardous for transport.

15. Regulatory Information

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

16. Other Information

Revision Number: 1.0
Disclaimer: The information provided is based on current knowledge and is intended to describe the product for health, safety, and environmental purposes only.