Safety Datasheet

Recycling Fabrik PLA

Version: 1.0
Date: 04.08.2026

MATERIAL	MANUFACTURER
PLA Filament	**Recycling Fabrik GmbH**
BRAND	**COUNTRY OF MANUFACTURE**
Recycling Fabrik	**Germany**

According to Regulation (EC) No. 1907/2006 (REACH)

1. IDENTIFICATION

- **Product Name:** Recycling Fabrik PLA Filament
- **Company:** Recycling Fabrik GmbH
- **Use:** 3D printing filament
- **Emergency Contact:** +49 (0) 531 3795 8646

2. HAZARD IDENTIFICATION

- **Classification:** Not classified as hazardous according to CLP Regulation (EC) No. 1272/2008
- **Hazards:**
  - Molten material may cause burns
  - Fumes may be generated during processing

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Polymer:** PLA
- **CAS Number:** Not applicable (polymer)
- **Additives:** Pigments, stabilizers (< 5%)
- No hazardous ingredients above reportable thresholds.

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air
- **Skin contact:** Wash with soap and water
- **Eye contact:** Rinse thoroughly with water
- **Burns (molten material):** Cool immediately, seek medical attention

5. FIREFIGHTING MEASURES

- **Suitable extinguishing media:** Water spray, foam, CO_2, dry powder
- **Hazards:** May release CO, CO_2 when burned
- **Protective equipment:** Self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- No special measures required
- Collect material mechanically
- Avoid slipping hazard

7. HANDLING AND STORAGE

- Avoid overheating during processing
- Ensure adequate ventilation
- Store dry and protected from moisture

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- No specific exposure limits defined
- **Recommended:**
  - Ventilation during printing
  - Avoid inhalation of fumes

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Solid filament
- **Color:** Various
- **Odor:** Slight
- **Density:** ~1.24 g/cm³
- **Melting Range:** ~190–240 °C

10. STABILITY AND REACTIVITY

- Stable under normal conditions
- Avoid excessive heat
- **Decomposition products:** CO, CO_2

11. TOXICOLOGICAL INFORMATION

- No known toxic effects under normal conditions
- No classification required

12. ECOLOGICAL INFORMATION

- Not readily biodegradable
- Recyclable material
- Avoid environmental release

13. DISPOSAL CONSIDERATIONS

- Recycle where possible
- Dispose according to local regulations

14. TRANSPORT INFORMATION

- Not classified as dangerous goods (ADR / IMDG / IATA)

15. REGULATORY INFORMATION

- Complies with REACH regulation
- Not classified under CLP

16. OTHER INFORMATION

- This information is based on current knowledge and intended to describe the product for safety purposes only.
- All data provided are typical values and do not constitute a specification. Users must verify suitability for their specific application.

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