

Safety Data Sheet

Safety Data Sheet according to Regulation (EC) N°1907/2006

Trade name: **3D Printer Filaments – 881N, 883P**

Revision: 01/2016

1. Identification of the product and of the company

Product:

3D PRINTER FILAMENTS – 881N, 883P

Company:

Fil Kemp - Indústria de Filamentos, S.A.,
R. Francisco Lyon de Castro, n.28
2726-932 Mem Martins, PORTUGAL
Tel.: 00 351 21 922 94 10
Fax: 00 351 21 920 76 93

2. Hazards identification

No hazardous according to EC-Regulations

3. Composition/ information on ingredients

Polylactic acid-based resin, additives and organic and inorganic colorants embedded in polybutylenterephthalate.

4. First-aid measures

On contact with eyes: Product is solid. Remove as any foreign object.

On skin contact: Cool skin rapidly with cold water after contact with molten material. Do not peel polymer from skin. Get medical attention, if necessary.

If inhaled: Product is solid. No special measures required

On ingestion: No special measures required

5. Fire-fighting measures

Suitable extinguishing media: water, foam, carbon dioxide or dry powder.

Use self containing breathing apparatus for fire fighting in closed rooms.

At temperatures of > 300°C can be emitted: carbon monoxide and traces of other toxic substances, due to decomposition and oxidation of the product.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Particular danger of slipping on spilled product

Environmental precautions:

No special measures required

Methods and material for containment and cleaning up:

Collect mechanically.

7. Handling and storage

Handling: when handling carton boxes or pallets observe ergonomic recommendations

Storage: no special hazards, when storing carton boxes or pallets take measures against falling down.

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8. Exposure controls/ personal protection

Personal protective equipment:

Respiratory protection: Fine-dust mask, depending on application
Hand protection: Protective gloves are recommended
Eye protection: Safety glasses are recommended
Hygiene measures: Wash hands before breaks and after work.

9. Physical and chemical properties

Appearance: Filament
Melting point / melting range: 215 - 225 °C
Flash point: > 400 °C
Density: 1.08 – 1.60 g/cm³ at 20 °C
Water solubility: insoluble

10. Stability and reactivity

Thermal decomposition: above 300 °C

11. Toxicological information

The product is inert. May cause mechanical irritation.

12. Ecological information

Toxicity: The product does not affect on environment negatively, non-toxic
Persistence and degradability: Product to be inert and non-degradable.

13. Disposal considerations

If recycling is not possible, the product must be taken to a waste disposal site or incinerated subject to local regulations.

14. Transport information

Road, marine or air transport: Non-hazardous goods

15. Regulatory information

Hazard symbols, R or S phrases: none

16. Other information

This information is based on our present state of knowledge and does not guarantee specific properties of the products described or their suitability for a particular application.