



SAFETY DATASHEET FILAMENT | PLA ULTRA

V 1.0 | 01-2016



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

SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product: filaments imprimante 3D - PLA Ultra

Company: VOLUMIC 3D
12b Rue Louis GARNERAY
06300 NICE
France
Tel : +33 9 500 27 400

SECTION 2. HAZARDS IDENTIFICATION

No hazardous according to EC-Regulations

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

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

SECTION 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

SECTION 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.

SECTION 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.

SECTION 7. HANDLING AND STORAGE

Handling:
when handling carton boxes or pallets observe ergonomic recommendations

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Storage:

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

SECTION 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.

SECTION 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

SECTION 10. STABILITY AND REACTIVITY

Thermal decomposition: above 300 °C

SECTION 11. TOXICOLOGICAL INFORMATION

The product is inert. May cause mechanical irritation.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity: The product does not affect on environment negatively, non-toxic

Persistence and degradability: Product to be inert and non-degradable.

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORT INFORMATION

Road, marine or air transport: Non-hazardous goods

SECTION 15. REGULATORY INFORMATION

Hazard symbols, R or S phrases: none

SECTION 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.

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VOLUMIC 3D
12bis Rue Louis GARNERAY
06300 NICE
France

TVA: FR55452187792
EORI: FR45218779200026

Phone: +33 9 500 27 400
Email: info@volumic3d.com
Internet: www.volumic3d.com