

Safety Data Sheet

by Commission Regulation (EC) No 830/2015 (REACH)

Fillamentum PP 2320



Revision date: 10. 1. 2020/1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Identification of the substance / preparation

Product name: Fillamentum PP 2320

1.2 Application

Use of the substance or mixture: Filaments for 3D printing
Recommended restrictions on use: Designed for professional / industrial use.

1.3 Manufacturer / Supplier:

Company: Fillamentum Manufacturing Czech s.r.o.
Address: nám. Míru 1217
768 24 Hulín
Czech Republic
ID: 29233275
Website: www.fillamentum.com
Telephone: +420 720 060 947
E-mail: helpdesk@fillamentum.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008.

2.2 Label elements

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008.

2.3 Other hazards

No additional information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Polypropylene compound

3.2 Mixture

Compound containing polypropylene, antioxidants and mineral additives.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

First aider needs to protect himself. Remove from exposure. Keep the victim at rest. Do not leave the victim unattended.

Eye contact: In the case of contact with molten product, immediately rinse eyes and eyelids with plenty of water for more than 10 minutes. In case of smoke irritation, wash the eyes with water until the irritation disappears. Get medical attention.

Skin contact: In the case of contact with molten product, wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Do not tear off the solid product from the skin. Get medical attention.

Ingestion: In the case of contact with molten product, rinse mouth with cool water. Get medical attention.

Inhalation: In the case of accidental inhalation of vapours or decomposition products, move to fresh air. If symptoms occur, get medical attention.

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam, atomized water or fog.
Powder, carbon dioxide and sand should be used only in case of small fires.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

The product burns at high temperatures. Not classified as inflammable.

5.3 Advice for firefighters

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No specific measures are known.

6.2 Environmental precautions

Do not release into the environment. Prevent from entering into drains or water courses.

6.3 Methods and material for containment and cleaning up

Throw into appropriate disposal containers. Recycle or dispose of in compliance with current legislation.

Other information: Caution: This product can cause the floor to be slippery.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

In thermal processing: Risk of skin burns. Avoid the build-up of electrostatic charge.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Storage

Keep the package well closed and dry in a dry and well-ventilated place. Protect from heat. Keep away from food, drink and animal feeding stuffs.

Storage temperature: < 40 °C

7.3 Specific end uses

No information is available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No exposition limit values were tested.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Eye protection:	Wear safety glasses with lateral protection.
Hand protection:	Wear protective gloves. Use barrier cream regularly. Protective heat-insulating and chemical-resistant gloves are to be used during thermal processing.
Skin and body protection:	Protective clothing
Respiratory protection:	In the case of thermal decomposition use self-contained breathing apparatus.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical Appearance:	Solid, natural or coloured filament
Odour:	Odourless
pH:	Not applicable
Relative evaporation rate (butyl acetate=1)	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature:	Not applicable
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Bulk density:	No data available
Solubility:	
Water solubility	Insoluble substance
Log Pow	No data available
Dynamic viscosity:	No data available
Kinematic viscosity:	Not applicable
Explosive properties:	Not explosive
Oxidising properties:	No data available

9.2 Other information

No additional information available.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable at ambient temperature and under recommended conditions of storage and use.

10.3 Possibility of hazardous reactions

None to our knowledge.

10.4 Conditions to avoid

Moisture. Cannot withstand heat.

10.5 Incompatible materials

None to our knowledge.

10.6 Hazardous decomposition products

Decomposition products on thermal decomposition (pyrolysis) releases: Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation:	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation:	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity:	Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure):	Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure):	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard:	Not classified (Technical impossibility to obtain the data)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information available.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

No additional information available.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste treatment methods: Recycle the material as far as possible. Dispose of in accordance with relevant local regulations.

Additional information: The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal. Clean empty packing can be re-used.

SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, IMDG, IATA, ADN.

14.1 UN number

Not regulated for transport.

14.2 UN proper shipping name

Proper Shipping Name (ADR): Not applicable.
Proper Shipping Name (IMDG): Not applicable.
Proper Shipping Name (IATA): Not applicable.
Proper Shipping Name (ADN): Not applicable.
Proper Shipping Name (RID): Not applicable.

14.3 Transport hazard class

ADR

Transport hazard class(es) (ADR): Not applicable.

IMDG

Transport hazard class(es) (IMDG): Not applicable.

IATA

Transport hazard class(es) (IATA): Not applicable.

ADN

Transport hazard class(es) (ADN): Not applicable.

RID

Transport hazard class(es) (RID): Not applicable.

14.4 Packing group

Packing group (ADR): Not applicable.
Packing group (IMDG): Not applicable.
Packing group (IATA): Not applicable.
Packing group (ADN): Not applicable.
Packing group (RID): Not applicable.

14.5 Environmental hazards

Dangerous for the environment: No
Marine pollutant: No
Other information: No supplementary information available

14.6 Special precaution for user

Overland transport

No data available

Transport by sea

No data available

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Air transport

No data available

Inland waterway transport

Carriage prohibited (ADN): No

Not subject to ADN: No

Rail transport

Carriage prohibited (RID): No

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No additional information available

SECTION 16: OTHER INFORMATION

The information is published in the best knowledge and information of the company. The final usage of the product must be assessed by the user. The company is not responsible for any risks caused by incorrect handling or processing.