

SAFETY DATA SHEET

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

PRODUCT NAME: Fillamentum Timberfill Pellets

Revision date: 27. 7. 2023 / 1

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

1.1 Identification of the substance / preparation

Product name: Fillamentum Timberfill Pellets

1.2 Application

Use of the substance or mixture: Pellets 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 information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

The product is a mixture of several polymers. Subject does not contain any hazardous ingredients at concentrations higher than the limit for which it is necessary to classify.

Additional information: No information available.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact: Wash skin with water. In case of contact with molten product, cool the skin rapidly with water and seek medical advice. Do not remove the product crusts created on skin by violence or with solvents. Seek medical attention immediately for the treatment of potential skin burns.

In case of eye contact: Rinse immediately with plenty of water for at least 15 minutes. Rinse also under the eyelids. Immediately call a physician.

In case of inhalation: Take the victim to fresh air, rest.

In case of ingestion: Drink water as a precaution. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician immediately.

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Notes for physician: Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of exposure: respiratory tract irritation, cough.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: First aid, decontamination, treatment of symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media foam, water, carbon dioxide (CO₂).

Unsuitable extinguishing media Water with full jet.

5.2 Special hazards arising from the substance or mixture

Combustion products: carbon monoxide (CO), carbon dioxide (CO₂), nitrogen oxides (NO_x), hydrogen cyanide and water.

5.3 Advice for firefighters

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Under fire conditions:

Cool containers / tanks with water spray. Water mist may be used to cool closed containers. Fine dust dispersed in air may ignite. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid dust formation. Remove all sources of ignition. Sweep up to prevent slipping hazard.

6.1.2. For emergency responders

Use with proper personal protective equipment (see Section 8).

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

Do not allow material to contaminate ground water system.

6.3 Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

Refer also to the provisions of sections 8 and 13 of this sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use personal protective equipment as required. Avoid contact with skin and eyes. After completion of work, wash hands and face with soap and water. When using do not eat, drink or smoke.

Avoid dust formation. Low hazard for usual industrial or commercial handling. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations may form in air.

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7.2 Conditions for safe storage, including any incompatibilities

Keep the package well closed and dry. Storage temperature must be under 40 °C.

7.3 Specific end uses

No information is available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

None established.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Provide appropriate exhaust ventilation at places where dust is formed.

8.2 Exposure controls

Hand protection:

Use preventive gloves for skin protection.

Eye protection:

Use personal protection equipment for eyes and face.

Respiratory protection:

If exposed to dust, respirator with dust filter must be worn. Use a positive-pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. Warning: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin and body protection:

Use the protective clothing.

Special hazard:

Users should be protected from the possibility of contact with molten material during processing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical Appearance:	Solid, natural or colored pellets.
Appearance:	Natural or colored pellets.
Odor:	None or sweet, wood-like.
pH:	Not applicable.
Vapor pressure:	Not determined.
Vapor density:	Not determined.
Evaporation rate:	Not determined.
Density	1,25 g/cm ³
Decomposition temperature:	210 °C
Boiling point / boiling range:	Not applicable.
Melting point / melting range:	120-200 °C
Autoignition temperature:	Not determined.
Flammability:	Fine dust dispersed in air may ignite.
Flammability Limits in Air:	No information available.
Water solubility.	Insoluble.

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Solubility in other solvents: Not determined.

Solubility: Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity is expected under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions. Hazardous reactions or decomposed substances are not expected.

10.3 Possibility of hazardous reactions

None expected under conditions of normal use.

10.4 Conditions to avoid

Temperatures above 210 °C. Avoid keeping resin molten for excessive periods of time at elevated temperatures.
Prolonged exposure will cause polymer degradation.

10.5 Incompatible materials

Oxidizing agents. Strong bases.

10.6 Hazardous decomposition products

Burning produces harmful and toxic fumes.
Aldehydes, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	No target organ effects were noted following ingestion or dermal exposure in animal studies.
Local effects:	Product dust may irritate eyes, skin and respiratory system. Resin particles and other inert materials are mechanically irritating to eyes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Specific effects:	May cause skin irritation and/or dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Burning produces irritant fumes.
Long term toxicity:	Did not cause skin allergic reactions in skin sensitization studies using guinea pigs.
Mutagenic effects:	Not mutagenic in AMES Test
Reproductive toxicity:	No data is available on the product itself.
Carcinogenic effects:	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Target organ effects:	No target organ effects were noted following ingestion or dermal exposure in animal studies.
Skin:	No data available.
Ingestion:	No data available.
Further information:	No data available.

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

Inherently biodegradable under industrial composting conditions.

12.3 Bioaccumulative potential

Not expected to bioconcentrate or bioaccumulate.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment method

In compliance with the requirements of Directive 2008/98/EC

Waste from residues / unused products: In accordance with local and national regulations. Should not be released into the environment. Do not contaminate ponds, waterways or ditches with chemical or used container. Contact manufacturer.

Contaminated packaging: Empty remaining contents. Do not re-use empty containers. Empty containers should be transported/delivered using a registered waste carrier to local recyclers for disposal.

SECTION 14: TRANSPORT INFORMATION

Applicable to: ADR/RID, IMDG, ICAO/IATA, ADN

14.1 UN number

None.

14.2 UN proper shipping name

None.

14.3 Transport hazard class

None.

14.4 Packing group

None.

14.5 Environmental hazards

None.

14.6 Special precaution for user

None.

14.7 Transport in bulk according to Annex II or Marpol and the IBC Code

None.

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SECTION 15: REGULATORY INFORMATION

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

No information available.

15.2 Chemical safety assessment

Not applicable.

SECTION 16: OTHER INFORMATION

The product shouldn't be used for any other usage than intended. As the conditions of usage are not under control of the supplier, it is responsibility of the user to adapt the handling according to local laws and regulations.

The product should not be used for any application intended for any internal contact with human body fluid or body tissues, for a critical component in any medical device that supports or sustains human life and for specifically pregnant women or interfere with human reproduction.

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.