

# Safety Data Sheet

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

## Fillamentum PETG



Revision date: 4. 5. 2020/1

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

#### 1.1 Identification of the substance / preparation

Product name: Fillamentum PETG

#### 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](http://www.fillamentum.com)  
Telephone: +420 720 060 947  
E-mail: [helpdesk@fillamentum.com](mailto:helpdesk@fillamentum.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification

The material is not classified according to Regulation (EC) No 1272/2008 [CLP] and Directive 67/548/EEC.

#### 2.2 Label elements

Not applicable.

#### 2.3 Other hazards

According to Annex XIII, the substance does not meet PBT or vPvB criteria.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Subject does not contain any hazardous ingredients at concentrations higher than the limit for which it is necessary to classify.

Chemical name	CAS number	EC number	Concentration [%]
Co-polyester	25038-91-9	607-509-2	100 %

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation: Specific medical treatment is urgent. Move victim to fresh air. Give artificial respiration in case the victim is not breathing.

Skin contact: Contaminated clothing and shoes must be removed. In the case of contact with hot material, quickly cool the molten material with water and call a physician for removing of adhering material and treatment of burn.

Eye contact: Immediately flush eyes with water for at least 15 minutes in the case of contact with molten material. Seek medical attention if eye symptoms occur.

Ingestion: Rinse mouth. Get medical attention.

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### 4.2 Most information symptoms and affects, both acute and delay

Acute effects Not classified.

Delayed effects Not classified.

### 4.3 Indication of any immediate medical attention and special treatment needed

Call emergency medical service. Seek medical help if needed.

Ensure that medical personnel are aware of the material involved and protect themselves.

In case of burn by molten material, cool quickly with plenty of water. Seek the physician for treatment of burns.

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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Water, sand, carbon dioxide (CO<sub>2</sub>).

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition products: Not available

Hazardous combustion products: CO<sub>2</sub>, CO

Unusual fire and explosion hazards: No explosion hazards

### 5.3 Advice for firefighters

Wear positive pressure self-contained breathing apparatus (SCBA).

Structural fire fighters' protective clothing will only provide limited protection.

### 5.4 Sensitivity to static discharge

Not available.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do it without risk.

Isolate exposed area.

Keep unauthorized personnel away.

Use certificated protective equipment.

Ventilate the leaked area.

### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and material for containment and cleaning up

Do not touch or walk through spilled material.

### 6.4 Reference to other sections

See also Sections 8 and 13 of this Safety Data Sheet.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid contact with molten material.  
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures.  
Do not unpack the product if not immediately used.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep the package well closed and dry.  
Protect from moisture, water.  
Keep away from waterways and sewers.  
Keep away from any source of ignition.  
Storage temperature: < 40 °C

#### 7.3 Specific end uses

Not available.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Specific exposure limits have not been established or are not applicable unless listed below.

- EU Regulation: Not available.
- US (NIOSH/OSHA ACGIH):
  - NIOSH- TWA: Not applicable
  - OSHA- TWA: Not applicable
  - ACGIH- TWA: Not applicable
- Regulation in Korean: Not applicable
- Biological Exposure Index: Not applicable

#### 8.2 Exposure controls

Provide local exhaust ventilation system or other engineering controls to keep the airborne below their respective threshold limit value.

Check legal suitability of exposure level.

#### 8.3 Personal Protection

Respiratory Protection	Wear European Standards EN 149 or NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.
Eye Protection	An eye wash unit and safety shower station should be available nearby workplace. Wear safety glasses to protect eyes from scattering toxic substance.
Skin Protection	When material is heated, wear gloves to protect against thermal burns.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Physical Appearance:	Solid, natural or coloured filament
Odour:	Slight odour
pH:	Not applicable
Melting/freezing point:	Not applicable
Boiling point/boiling range:	Not applicable
Flash point:	Not available
Flammability	Not available
Evaporation rate:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Negligible (20 °C)
Vapor density:	Not available
Solubility:	
Water solubility:	Negligible
Density:	1,27 g/ml (25 °C)
Specific gravity:	> 1
Partition Coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	454 °C (ASTM E659)
Decomposition temperature:	Not available
Viscosity:	Not available

#### 9.2 Other information

Not available.

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### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

Stable.

#### 10.2 Chemical stability

Stable under normal temperatures and pressures.

#### 10.3 Possibility of hazardous reactions

None known.

#### 10.4 Conditions to avoid

Avoid release to the environment.

#### 10.5 Incompatible materials

Not available.

#### 10.6 Hazardous decomposition products

Not available.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Not available.
Skin corrosion/irritation:	Molten material will produce thermal burns.
Serious eye damage/irritation:	Molten material will produce thermal burns.
Respiratory or skin sensitisation:	Not available.
Germ cell mutagenicity:	Not available.
Carcinogenicity:	EU Regulation 1272/2008, KOREA-ISHL, IARC, NTP, OSHA, ACGIH: Not listed.
Reproductive toxicity:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration hazard:	Not available.

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Not available.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

Not available.

### 12.6 Other adverse effects

Not available.

### 12.7 Additional information

Not available.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Waste from residues/unused products

Waste must be disposed of in accordance with national, state and local environmental control regulations.

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### SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, AND, IMDG, IATA/ICAO.

**14.1 UN number**

Not regulated.

**14.2 UN proper shipping name**

Not dangerous goods.

**14.3 Transport hazard class**

Not regulated.

**14.4 Packing group**

Not regulated.

**14.5 Environmental hazards**

Not applicable.

**14.6 Special precaution for user**

Not applicable.

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

Not applicable.

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### SECTION 15: REGULATORY INFORMATION

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

**EU Regulatory Information**

**EU classification:**

**Annex I of Directive 67/548/EEC:**

Classification: Not regulated.

Risk phrases: Not regulated.

Safety phrases: Not regulated.

**EU CLP 2008:**

Classification: Not regulated.

Hazard statement codes: Not regulated.

Precautionary statement codes: Not regulated.

**EU SVHC list:**

Not regulated.

**EU Authorisation List:**

Not regulated.

**EU Restriction List:**

Not regulated.

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### Foreign Regulatory Information

#### External information:

U.S.A management information (OSHA Regulation):	Not regulated.
U.S.A management information (CERCLA Regulation):	Not regulated.
U.S.A management information (EPCRA 302 Regulation):	Not regulated.
U.S.A management information (EPCRA 304 Regulation):	Not regulated.
U.S.A management information (EPCRA 313 Regulation):	Not regulated.
Korea management information:	Not regulated.
Occupational Safety and Health Regulation:	Not regulated.
Toxic Chemical Control Act:	Non-Toxic Chemicals (97-3-186)
Dangerous Material Safety Management Regulation:	Not regulated.
Waste Control Act:	Not regulated.
Substance of Rotterdam Protocol:	Not regulated.
Substance of Stockholm Protocol:	Not regulated.
Substance of Montreal Protocol:	Not regulated.
Persistent Organic Pollutants Acts:	Not regulated.
Japan management information Existing and New Chemical Substances (ENCS):	(7)-714
China management information Inventory of Existing Chemical Substances (IECSC):	Present 01980
Canada management information Domestic Substances List (DSL):	Present
Australia management information Inventory of Chemical Substances (AICS):	Present

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

- ACGIH = American Conference of Government Industrial Hygienists.
- AICS = Australian Inventory of Chemical Substances
- CAS No. = Chemical Abstracts Service number.
- CERCLA = Comprehensive Environmental Response, Compensation & Liability Act (US).
- CLP = Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008.
- DSL = Domestic Substances List
- EC Number = EINECS and ELINCS Number (see also EINECS and ELINCS).
- EINECS = European Inventory of Existing Commercial chemical Substances.
- ELINCS = European List of Notified Chemical Substances.
- ENCS = Existing and New Chemical Substances
- EPCRA = Emergency Planning and Community Right-to-Know Act (US).
- EU = European Union.
- IARC = International Agency for Research on Cancer.
- IBC = Intermediate Bulk Container.
- IECSC = Inventory of Existing Chemical Substances
- ISHL = Industrial Safety & Health Law.

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**MARPOL** = International Convention for the Prevention of Pollution from Ships (IMO).

**NIOSH** = National Institute for Occupational Safety & Health.

**NTP** = National Toxicology Program.

**OSHA** = US Occupational Safety and Health Administration

**PBT** = Persistent, Bioaccumulative and Toxic substance.

**REACH** = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 453/2010.

**SVHC** = Substances of Very High Concern.

**UN** = United Nations.

**vPvB** = very Persistent and very Bioaccumulative.

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