

SAFETY DATA SHEET

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

PRODUCT NAME: Fillamentum CPE CF112 Carbon 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 CPE CF112 Carbon 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 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 nature: compound made of co-polyester and milled carbon fibres

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.

4.2 Most information symptoms and affects, both acute and delay

Acute effects Not classified.

Delayed effects Not classified.

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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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water, sand, carbon dioxide (CO₂).

Unsuitable extinguishing media: High pressure water.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition products: Not available

Hazardous combustion products: CO₂, 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.

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 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.

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 AGGIH):
 - 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 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:	Black pellets
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:	Not available
Specific gravity:	> 1
Partition Coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

9.2 Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Some of these materials may burn, but non ignite readily.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

Packages may explode when heated.
Fire may produce irritating and/or toxic gases.
Some liquids produce vapours that may cause dizziness or suffocation.
Inhalation of material may be harmful.

10.4 Conditions to avoid

Avoid contact with incompatible materials.
Avoid release to the environment.

10.5 Incompatible materials

Combustibles.

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10.6 Hazardous decomposition products

Irritating and/or toxic gases.

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.

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

Contains substances with negligible ecotoxicity.

12.7 Additional information

Not available.

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, ADN, 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.

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.
Substance of Rotterdam Protocol:	Not regulated.
Substance of Stockholm Protocol:	Not regulated.
Substance of Montreal Protocol:	Not regulated.

15.2 Chemical safety assessment

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

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

ACGIH = American Conference of Government Industrial Hygienists.
CLP = Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008.
CAS No. = Chemical Abstracts Service number.
EC Number = EINECS and ELINCS Number (see also EINECS and ELINCS).
EU = European Union.
IARC = International Agency for Research on Cancer.
ISHL = Industrial Safety & Health Law.
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.
vPvB = very Persistent and very Bioaccumulative.
UN = United Nations.
MARPOL = International Convention for the Prevention of Pollution from Ships (IMO).
IBC = Intermediate Bulk Container.
CERCLA = Comprehensive Environmental Response, Compensation & Liability Act (US).
EPCRA = Emergency Planning and Community Right-to-Know Act (US).
EINECS = European Inventory of Existing Commercial chemical Substances.
ELINCS = European List of Notified Chemical Substances.

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