

SAFETY DATA SHEET

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

PRODUCT NAME: Fillamentum ASA Extrafill

Revision date: 29.7.2019/3

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

1.1 Identification of the substance / preparation

Product name: Fillamentum ASA Extrafill

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

The substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) in concentration 0,1 % or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: acrylonitrile styrene acrylate co-polymer

Chemical name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
2-Propenoic acid, butyl ester, polymer with ethenylbenzene and 2-propenenitrile	-	26299-47-8	> 98 %	-	No data available
Additives	-	-	≤ 2 %	-	-

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

First aider needs to protect himself.

Remove from exposure, lie down. Keep the victim at rest. Do not leave the victim unattended.

Eye contact: Protect the unhurt eye. Remove the contact lenses. Rinse eyes and eyelids with plenty of water for more than 10 minutes. If symptoms occur, get medical attention.

Skin contact: Wash off immediately with plenty of water while removing all contaminated clothes and shoes. Do not remove the piece from skin. Get medical attention.

Ingestion: Rinse mouth. Get medical attention.

Inhalation: Move to fresh air. If symptoms occur, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Hazards: Risk of burns caused by hot melt.

4.3 Indication of any immediate medical attention and special treatment needed

Continue with first aid measures.

Depending on the pathology and clinical findings, patient monitoring and symptomatic treatment are necessary.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water, water spray, foam, carbon dioxide (CO₂), sand, alcohol-resistant foam, chemical powder.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: In case of fire, toxic and caustic fumes may be released. See Section 10.

5.3 Advice for firefighters

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

Other information: Usual measures in case of chemical fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Do not walk on spilled material. Avoid dust formation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

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

Avoid dust formation. Throw into appropriate disposal containers.

6.4 Reference to other sections

Wear personal protective equipment. For other disposal see Section 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid dust formation. Protect from moisture. In thermal processing: Risk of skin burns.

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Avoid exceeding the given occupational exposure limits (see Section 8).

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

Storage

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

Storage temperature: < 40 °C

7.3 Specific end uses

No information is available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No information available.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

Eye protection: Wear safety glasses.

Hand protection: Wear protective gloves. Use barrier cream regularly. Protective heat-insulating gloves are to be used during thermal processing.

Respiratory protection: Do not breathe dust. In case of dust or aerosol formation use respiration with an approved filter. Note time limit for wearing respiratory protective equipment. In the case of vapour formation, use a respirator with an approved filter. Respirator with filter for organic vapour.

Skin and body protection: Wear protective clothes.

Hygiene Measures: Do not eat, drink or smoke while using the product. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

Type of filter: Particles type (P)
Thermal decomposition
Combinated type, particles, anorganic and acid fumes/vapours, ammonia/amines, organic vapours (ABEK-P).
In case of short-term contact, use breathing apparatus with filter, in case of intensive or longer exposition, use self-breathing apparatus.

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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:	Odourless
Boiling point/boiling range:	Not applicable
	Decomposition
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas)	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	1,07 g/cm ³
Solubility:	
Water solubility	Insoluble substance
Partition Coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature:	> 400 °C
Decomposition temperature:	> 30 °C
Dynamic viscosity:	Not applicable
Kinematic viscosity:	Not applicable
Explosiveness:	Not applicalbe

9.2 Other information

No other information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Halogenated carbohydrates.

10.6 Hazardous decomposition products

Decomposition products on thermal decomposition: Carbon monoxide, Carbon dioxide, Nitrogen oxides (Nox), hydrocyanic acid (HCN).

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity, orally:	no data available
Acute toxicity, dermally:	no data available
Acute toxicity, inhalation:	no data available
Primary irritant effect:	no data available
	thermal decomposition may cause release of irritant gases and vapours
Mucous membrane irritation:	no data available
Sensitization:	no data available
Subacute, subchronic and long-lasting toxicity:	no data available
Carcinogenicity:	no data available
Reproductive toxicity, fertility:	no data available
Reproductive toxicity, teratogenicity:	no data available
Genotoxicity in vitro:	no data available
Genotoxicity in vivo:	no data available
STOT - single exposure:	no data known
STOT - repeated exposure:	no data known
Aspiration toxicity:	no data available
CMR assessment:	no data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

This product is not biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substance / mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) in concentration 0,1 % or higher.

12.6 Other adverse effects

No other information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Preferred way of disposal is recycling. If compliant with local regulation, product can be landfilled or incinerated.

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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 regulated.

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

Restrictions on use:

None.

Other regulations:

No information available.

15.2 Chemical safety assessment

Not determined.

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.