Date updated: 2018. 07. 20.

SAFETY DATA SHEET

Section 1. Identification of the substance / mixture and of the company/undertaking

1.1 Product identifier — Filament 3D PETG Haute Température

1.2 Relevant identified uses of the substance or mixture and uses advised against

1) Relevant identified uses — Plastics

2) Used advised against — Use for recommended use only

1.3 Details of the supplier of the safety data sheet

1) Manufacturer/supplier — CAPIFILPSI

2) Telephone number — +33 (0) 476 079 376

3) E-mail address of competent person responsible for the SDS — contact@capifilpsi.com

1.4 Emergency telephone number — +33 (0) 476 079 376

Section 2. Hazards identification

2.1 Classification of the substance or mixture — Is not classified according to Regulation (EC) No 1272/2008 [CLP] and Directive 67/548/EEC.

2.2 Label elements

- **Hazard pictogram** — Not applicable.
- **Signal word** — Not applicable.
- **Hazard statements (H and EUH)** — Not applicable.
- **Precautionary statements (P)** — 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

Chemical name	Concentration (%)
Copolyester	100%

Section 4. First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

- Specific medical treatment is urgent.
- Move victim to fresh air.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.

4.1.2 Eye contact

- Seek medical attention if eye symptoms occur.
- In case of contact with molten substance, immediately flush eyes with water for at least 15 minutes. Seek medical attention immediately.

4.1.3 Skin contact

- Remove contaminated clothing and shoes.
- Seek medical attention if skin symptoms occur.

- If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burns.

4.1.4 Ingestion - Get medical attention if swallowed amount of substance.

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 advice/attention if needed.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- If burned by contact with molten material, cool as quickly as possible with water, and then go to see a physician for treatment of burns.

Section 5. Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media CO_2, water, sand.

5.1.2 Unsuitable extinguishing media High pressure water.

5.2 Special hazard arising from the substance or mixture

- Thermal decomposition products: Not available.
- Hazardous combustion products: CO_2, 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.

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 unauthorised 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.

Section 7. Handling and storage

7.1 Precautions for safety handling

- Avoid contact with molten material.
- Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures.

7.2 Conditions for safe storage, including any incompatibilities	- Keep container closed. - Store container in a well dry/cool place. - Keep away from waterways and sewers. - Keep away from any source of ignition.
7.3 Specific and uses	Not available.

Section 8. Exposure controls / Personal protection

8.1 Control parameters

Occupational Exposure limits

EU regulation : Not available.

Korea regulation : Not available.

ACGIH regulation : Not available.

Biological exposure index : Not available.

OSHA regulation : Not available.

NIOSH regulation : Not available.

8.2 Exposure controls

8.2.1 Appropriate engineering 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.

8.2.2 Individual protection measures, such as personal protective equipment :

Respiratory protection :

- Wear European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.

Eye/face protection :

- An eye wash unit and safety shower station should be available nearby work place.
- Wear safety glasses to protect eyes.

Skin protection

(i) Hand protection :

- When material is heated, wear gloves to protect against thermal burns.

(ii) Other :

- When material is heated, wear gloves to protect against thermal burns.

8.2.3 Environmental exposure controls

Not available.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance	**Description :** Solid. **Color :** Colourless.
(b) Odour	Slight odour.
(c) Odour threshold	Not available.
(d) pH	Not available.
(e) Melting point/freezing point	Not available.

(f) Initial boiling point and boiling range	Not available.
(g) Flash point	Not available.
(h) Evaporation rate	Not available.
(i) Flammability (Solid, gas)	Not available.
(j) Upper/lower flammability or explosive limits	Not available.
(k) Vapour pressure	Negligible (20 °C).
(l) Vapour density	Not available.
(m) Relative density	1.25 ~ 1.27 g/ml (25 °C).
(n) Solubility	Negligible.
(o) Partition coefficient: n-octanol/water	Not available.
(p) Auto-ignition temperature	Not available.
(q) Decomposition temperature	Not available.
(r) Viscosity	Not available.
(s) Explosive properties	Not available.
(t) Oxidizing properties	Not available.
9.2 Other information	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	- Some of these materials may burn, but none ignite readily.
10.2 Chemical stability	- Stable under normal temperatures and pressures.
10.3 Possibility of hazardous reaction	- Containers 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.
10.6 Hazardous decomposition products	- Irritating and/or toxic gases.

Section 11. Toxicological information

11.1 Information on toxicological information

(a) acute toxicity	Not available.
(b) skin corrosion/irritation	Molten material will produce thermal burns.
(c) serious eye damage/irritation	Molten material will produce thermal burns.
(d) respiratory or skin sensitization	Not available.
(e) germ cell mutagenicity	Not available.
(f) carcinogenicity	EU Regulation 1272/2008, KOREA-ISHL, IARC, NTP, OSHA, ACGIH: Not listed.
(g) reproductive toxicity	Not available.
(h) STOT-single exposure	Not available.
(i) STOT-repeated exposure	Not available.
(j) aspiration hazard	Not available.

Section 12. Ecological information	
12.1 Toxicity	Not available.
12.2 Persistence and degradability	Not available.
12.3 Bio accumulative 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.

Section 13. Disposal considerations

13.1 Waste treatment methods

Waste from residues

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

Container

Consider the required attentions in accordance with waste treatment management regulation.

Section 14. Transport information

14.1 UN Number

ADR/RID(International Carriage of Dangerous Goods by Rail and by Road) : Not applicable.

DOT (US Department of Transportation) : Not applicable.

IMDG (International Maritime Dangerous Goods Code) : Not applicable.

IATA (International Air Transport Association) : Not applicable.

14.2 UN proper shipping name

ADR/RID, DOT, IMDG, IATA : Not dangerous goods.

14.3 Transport hazard class

ADR/RID, DOT, IMDG, IATA : Not applicable.

14.4 Packing group

ADR/RID, DOT, IMDG, IATA : Not applicable.

14.5 Environmental hazards

ADR/RID, DOT, IMDG, IATA : No.

14.6 Special precautious for user

in case of fire : Not applicable.

in case of leakage : Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code : Not available.

Section 15. Regulatory information

15.1 Safety, health and environment regulation /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.

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 Roterdame Protocol : Not regulated.
Substance of Stockholme 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

16.1 Indication of changes

Version	Version: 1.1/EN
Revision date	Date Updated : 20th. July. 2018

16.2 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.

16.3 Key literature reference and sources for data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation(EC)	Classification according to Regulation (EC) 1272/2008 Classification procedure

1272/2008(CLP)

16.5 Relevant R-phrases and/or H-statements (number and full text)	Not Available
16.6 Training advice	Do not handle until all safety precautions have been read and understood

16.7 Further information :

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1272/2008; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriateprecautionary handling of the material. It is the responsibility of recipients of this SDS to ensurethattheinformationcontainedtherein is properlyreadandunderstood by allpeoplewhomay use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.