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1 Identification of substance:**· Product details:****· Trade name:** PPSF S**· Application of the substance / the preparation**

Filament support material for Stratasys® Inc. FDM™ modeler

· Manufacturer/Supplier:Stratasys, Inc.
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Fax: +49-2151-6520869**· Informing department:** Product safety department.**· Emergency information:** As above or next toxicological information centre**2 Composition/Data on components:****· Chemical characterization****· Description:** sulfone thermoplastic**· Dangerous components:** Void**3 Hazards identification****· Hazard designation:** void**· Information pertaining to particular dangers for man and environment** void**4 First aid measures****· General information** Remove contaminated clothing.**· After inhalation** Supply fresh air; consult doctor in case of symptoms.**· After skin contact**

Instantly wash with water and soap and rinse thoroughly.

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product away from the skin.

Call a doctor immediately.

· After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

5 Fire fighting measures**· Suitable extinguishing agents**CO₂, extinguishing powder or water spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.**· For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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- **Special hazards caused by the material, its products of combustion or flue gases:**
 - Sulphur oxides (SO_x)
 - Carbon monoxide and carbon dioxide
 - Hydrocarbons
 - Silica fumes
- **Protective equipment:** Put on breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

6 Accidental release measures

- **Person-related safety precautions:**
 - Avoid causing dust.
 - Avoid breathing dust.
 - Avoid contact with eyes.
- **Measures for environmental protection:** Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
 - Collect mechanically.
 - Dispose of the material collected according to regulations.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of dust.
 - If dust/smoke is developed, avoid breathing dust/smoke.
 - Avoid contact with eyes.
 - Avoid contact with hot product.
 - Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
 - Observe all local and national regulations for storage of water polluting products.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed containers.
 - Store container in a well ventilated position.
 - Storage temperature < 70 °C

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
 - Observe all workplace limits for dust:
 - OEL total dust: 10 mg/m³
 - OEL respirable dust: 3 mg/m³
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
 - Do not inhale dust / smoke / mist.
 - Avoid contact with the eyes.
 - Wash hands during breaks and at the end of the work.
- **Breathing equipment:**
 - If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.

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- **Protection of hands:**
No chemical-protective gloves required.
Use heat resistant gloves when handling hot/molten product.
- **Eye protection:** Safety glasses
- **Body protection:** Wear heat-resistant protective clothing when handling hot/molten product.

9 Physical and chemical properties:· **General Information**

Form:	solid
Colour:	Opaque
Smell:	odourless

· **Change in condition**

Melting point/Melting range: not applicable
Boiling point/Boiling range: not applicable

· **Flash point:** > 427°C· **Ignition temperature:** not determined· **Decomposition temperature:** > 430°C· **Self-inflammability:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive.· **Density at 20°C** 1.3 - 1.4 g/cm³· **Solubility in / Miscibility with Water:** insoluble**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** Temperature over 430 °C
- **Materials to be avoided:**
Strong oxidizing agents
Strong acids
Aromatic solvents
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:**
Carbon monoxide and carbon dioxide
Hydrocarbons
Sulphur oxides (SO_x)
Silica fumes

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** Dust particles may mechanically irritate the eye.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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12 Ecological information:

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.
- **European waste catalogue**
Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID Class:** -

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.
Observe all safety regulations when handling chemicals.
- **National regulations**
- **Decree to be applied in case of technical fault:** -
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**
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