



PPSF Support (PPSF_S)

Material Safety Data Sheet

104262-0002

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name	PPSF Support
Chemical Name	Polyphenylsulfone Support
Common Name	PPSF_S
General Use	Thermoplastic filament support material for PPSF, used with Stratasys [®] Inc. FDM [™] modeler
Manufacturer and Address	Stratasys, Inc. 7665 Commerce Way Eden Prairie, MN 55344-2080 USA
Emergency Telephone Number	+1 952-937-3000

2. COMPOSITION, INGREDIENT INFORMATION

COMPONENT	CAS #	%	OSHA/PEL	ACGIH /TLV
Sulfone thermoplastic	Mixture	100	N/E	N/E

N/E = not established

PPSF_S is not considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR § 1910.1200.

3. HAZARDS IDENTIFICATION

Emergency Overview	Thermoplastic mixture
HMIS Ratings	Health: 0 Flammability: 1 Reactivity: 0
Inhalation	Dust may irritate the respiratory system and cause coughing or sneezing
Eye Contact	Dust may be irritating to the eyes
Skin Contact	Contact with molten material will cause thermal burns
Ingestion	Ingestion may irritate intestinal tract
Chronic	No data available
Carcinogenicity	None of the components of this mixture is listed by NTP, OSHA, or ACGIH as a carcinogen

4. EMERGENCY AND FIRST AID MEASURES

Inhalation	If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water immediately. Get medical attention if irritation or burns develop.
Eye Contact	In cases of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	If swallowed, call a physician. Give large amounts of water to drink. Never give anything orally to an unconscious person.

5. FIRE-FIGHTING MEASURES & EXPLOSION HAZARD DATA

Flash Point	> 800°F
Autoignition Temperature	No data available
Extinguishing Media	Use dry, chemical powder or carbon dioxide for small fires. For large fires, use water or foam spray.
Special Fire-Fighting Procedures	Evacuate personnel to a safe area. Keep personnel away and aware of fire. Wear self-contained breathing apparatus and full protective equipment.
Unusual Fire and Explosion Hazards	None known
Hazardous Decomposition Products	Thermal decomposition will produce oxides of carbon and phosphorous

6. ACCIDENTAL RELEASE MEASURES

General	Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.
Specific	Contain spill. Sweep up material for recycling or disposal. Do not wash residues into drains or other waterways.

7. HANDLING & STORAGE

Handling	Keep dry and avoid temperatures over 70°C
Storage	Store in a cool, well-ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Ventilation	Use adequate ventilation
Respiratory	Use proper respiratory equipment if dust is generated
Protective Gloves	Not needed other than when handling material at elevated temperatures
Eye Protection	Wear safety goggles to prevent contact with eyes
Skin	None required; however, use of protective gloves/clothing is good industrial practice
Other	Use protective clothing as appropriate

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Opaque solid
Odor	Odorless
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Melting Point	Not available.
Boiling Point	Not applicable
Specific Gravity	1.30 – 1.40
Volatile By Volume (Water)	Not determined
Solubility In Water	Insoluble
pH	Not applicable

10. STABILITY & REACTIVITY

Stability	Stable under normal recommended storage and handling conditions (see section 7)
Hazardous Polymerization	Will not occur
Incompatibility	Prolonged contact with aromatic solvents
Hazardous Thermal Decomposition Products	Thermal decomposition will produce oxides of carbon, silicon, and sulfur

11. TOXICOLOGICAL DATA

Acute Oral	No data available. Not expected to be harmful.
Acute Dermal	No data available. Not expected to be harmful.
Acute Inhalation	No data available. Not expected to be harmful.
Skin Irritation	No data available. Not expected to be harmful.
Eye Irritation	No data available. Not expected to be harmful.
Genotoxicity	No data available. Not expected to be harmful.

12. ECOLOGICAL INFORMATION

Fish Toxicity	No data available
Daphnia Toxicity	No data available
Bioaccumulation	No data available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes and used containers must be in accordance with applicable federal, state and local regulations.

14. TRANSPORT INFORMATION (NOT MEANT TO BE ALL-INCLUSIVE)

U.S. Department of Transportation (D.O.T.)	This product is not regulated by D.O.T. when shipped domestically by land
Canadian TDG Information	This product is not regulated by TDG when shipped domestically by land

15. REGULATORY INFORMATION (NOT MEANT TO BE ALL-INCLUSIVE)

All components of this product are listed on these chemical inventories: U.S. TSCA, Canadian DSL, EU EINECS, Japanese ENCS, Korean ECL, Australian AICS.

EPA SARA Title III Chemical Listings**SARA – 313 Listed Chemicals:**

Name	CAS	Amount
2-pyrrolidinone, 1-methyl	872-50-4	<0.2%

Supplemental State Compliance Information**New Jersey and Pennsylvania:**

Name	CAS	Wt. %
Styrene Butadiene Copolymer	9003-55-8	>6.0
Dimethyl Siloxane, Hydroxy-Terminated	872-50-4	1.5-4.0

16. OTHER INFORMATION

THE INFORMATION contained in the PROCEEDING report is based upon current knowledge, our experience with the product, and is not exhaustive. While not guaranteed, the information presented herein was prepared by a competent, technical professional and is true and accurate to the best of our knowledge. The information applies to product as defined by the specifications. If the product is mixed with other substances, the customer must confirm that no new hazards exist. In all cases, the user is not exempt from following all legal, administrative and regulatory procedures relating to the product, personal hygiene, and the integrity of the work environment. Stratasys® shall not be held liable for any damage resulting from handling or from contact and use with the above product.

Revision History

Revision	Revision Date
104262-0000	2001-05-29
104262-0001	2005-05-23
104262-0002	2005-07-10