

**1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION**

Product Name	E20 Elastomer Model
Chemical Name	Thermoplastic Copolyester Resin
General Use	Filament for Stratasys® Inc. FDM® modelers
Manufacturer and Address	Stratasys Inc. 14950 Martin Drive Minneapolis, MN 55344-2020 USA
Emergency Telephone Number	+1 952-937-3000

2. COMPOSITION, INGREDIENT INFORMATION

COMPONENT	CAS #	%	OSHA/ PEL	ACGI H/ TLV
Polyester	Proprietary	100	Not applicable	Not applicable

E20 Elastomer is not considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR § 1910.1200.

3. HAZARDS IDENTIFICATION

Emergency Overview	No significant immediate hazards for emergency response are known
HMIS Ratings	Health: 1 Flammability: 1 Reactivity: 0
Inhalation	Dust or vapors may be irritating to the respiratory tract and cause coughing or sneezing
Eye Contact	Dust or vapors that contact the eye may be irritating or cause mechanical injury
Skin Contact	Molten material will produce thermal burns
Ingestion	It is reasonable to anticipate ingestion of material would be irritating to the GI tract
Chronic	No data available
Carcinogenicity	None of the ingredients in this product exceeding a concentration limit of 0.1% are on the OSHA list of carcinogenic hazards.

**4. EMERGENCY AND FIRST AID MEASURES**

Inhalation	No harmful effects are anticipated from breathing dust or a low concentration of vapors. If a problem develops, remove the person to fresh air and supply oxygen if necessary.
Skin Contact	No harmful effects are anticipated. Wash thoroughly with soap and water. See a physician if the irritation persists.
Eye Contact	Immediately flush eyes with flowing water for at least 15 minutes. See a physician if the irritation persists.
Ingestion	No harmful effects are anticipated if the material is swallowed. See a physician if the irritation persists.

5. FIRE-FIGHTING MEASURES & EXPLOSION HAZARD DATA

Flash Point	900° F
Autoignition Temperature	Not determined
Extinguishing Media	Any cooling or oxygen excluding method
Special Fire-Fighting Procedures	Firefighters should be equipped with self-contained breathing apparatus and turnout gear
Unusual Fire and Explosion Hazards	When heated to decomposition, carbon monoxide may be emitted
Hazardous Decomposition Products	Thermal decomposition will produce oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

General	Sweep "inert" organic filament and dispose of properly
Specific	Contain waste. Sweep up material for recycling or disposal. Do not wash residue into drains or other waterways.

7. HANDLING & STORAGE

Handling	Keep dry and avoid temperatures close to melting point
Storage	Store in a well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS & PERSONAL PROTECTION**

Ventilation	Area-wide ventilation is acceptable
Respiratory	Not required
Eye Protection	Safety glasses are recommended
Skin Protection	Safety gloves are not required
Other Protection	None
Threshold Limit Value	Not determined

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	White
Odor	Odorless
Vapor Density	Not applicable
Melting Point	Not determined
Boiling Point	Not applicable
Specific Gravity (Water=1)	1.32
Volatile by Volume (Water)	Max 0.5%
Solubility In Water	Insoluble
PH	Not applicable

10. STABILITY & REACTIVITY

Stability	Stable
Hazardous Polymerization	Will not occur
Conditions to Avoid	Heating above 600° F
Incompatibility	Acids and strong oxidizing agents
Hazardous Thermal Decomposition Products	Oxides of carbon and water

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)

This product is exempt under the EPA Polymer Exemption Rule of May 1995.

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
106266-0001	2005-05-23