

# THERMO JET 88

## Material Safety Data Sheet

*Based on EC Directives 91/155/EEC and 93/112/EEC, as well as 29 CFR 1910.1200 (USA)*

loosen the material. Seek medical attention for burns.

### Section I - Product identification

Trade name:  
Thermo Jet 88  
Part number:  
22645-901 (Black)  
22646-901 (Gray)  
22647-901 (Neutral)  
Emergency phone number:  
(805) 295-5600

**Inhalation:** Not an expected route of exposure.  
Thermopolymer dust could cause slight respiratory tract irritation.

**Ingestion:** The Thermo Jet material is not intended for human consumption. No known toxicity from ingestion.

Information for the physician  
Frequent and persistent contact with the skin or eyes may cause mild irritation.

### Section II - Information on ingredients

Ingredients  
This material is a solid thermopolymer material.  
It contains hydrocarbons, amides and esters.

### Section V - Fire fighting measures

Suitable extinguishing media  
Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

### Section III - Hazards identification

No particular hazards known. Not expected to be a problem under conditions of normal use.

Critical hazards to humans  
**Eyes:** Not an expected route of exposure.  
**Skin:** Not expected to be an irritant.  
**Inhalation:** Not an expected route of exposure.  
**Ingestion:** Not an expected route of exposure.

Critical hazards on the environment  
No particular hazards known.

Special protective equipment for firefighters  
Use self-contained breathing apparatus. Keep fire-exposed containers cool using water spray.

Unusual fire & explosion hazards  
None known. As with most solid or particulate organic materials, extremely high dust concentration in air may result in a potential explosion hazard. Good housekeeping will minimize significant particulate accumulation.

Further information  
Combustion products may contain carbon monoxide. Do not inhale combustion gases.

### Section IV - First aid measures

None indicated. This product is a solid thermopolymer and should not cause health hazards when used as intended.

**Eyes:** If in contact with an eye, flush thoroughly with clean cold water for at least 15 minutes and seek medical advice.

**Skin:** Solid thermopolymer is not expected to be absorbed through the skin. If molten thermopolymer gets on skin, cool rapidly with cold water. Do not attempt to peel thermopolymer from skin. Use mineral oil to

### Section VI - Accidental release measures

Spill or leak  
Not applicable.

Method for cleaning up  
If molten thermopolymer is spilled, wait for material to solidify. Vacuum or sweep up spilled solid and place in appropriate disposal container.

## Section VII - Handling and storage

### Handling

None required with intended use of product.

### Storage

No special measures necessary in normal use of product. Avoid storing above 158 °F (70 °C).

## Section VIII - Exposure control - personal protection

### Exposure guidelines

None required in normal use of the product.

## Section IX - Physical and chemical properties

**Appearance:** black, gray or neutral colored solid.

**Odor:** None

**Solubility:** Not soluble in water

**Flash point (ASTM D-92):** 482 °F (250 °C)

**Density:** 0.975 g/mL

**Melting Range:** 176 - 194 °F (80 - 90 °C)

## Section X - Stability and reactivity

### Stability

Stable under normal use of the product.

### Incompatibility with other materials

May react with strong oxidizing agents.

## Section XI - Toxicological information

This product is not expected to have toxic effects on humans or the environment if used within the manufacturer's guidelines.

## Section XII - Ecological information

None expected if used within the manufacturer's guidelines.

*This information is taken from sources or based upon data believed to be reliable. 3D Systems makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.*

## Section XIII - Disposal considerations

This product is not a hazardous waste as specified in 40CFR 261. Dispose in accordance with all Federal, State and Local regulations.

## Section XIV - Transport information

### Road transport ADR/ RID/ GGVS/ GGVE

Not a dangerous material according to road transport regulations.

### Marine transport IMDG-Code

Not a dangerous material according to marine transport regulation.

### Air transport ICAO/ IATA-DGR

Not a dangerous material according to air transport regulations.

## Section XV - Regulatory information

According to Directive 67/548/EEC, this product is not dangerous and does not require a hazard warning label. General safety precautions for the handling of polymers should be observed.

## Section XVI - Other information

**Date of issue:** October 14, 1998

**Recommended use:** Within the Thermo Jet Solid Object Printer.

**Distribution:** To industry, office and private consumers.

### Technical Contact

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