

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.

Special protective equipment for firefighters

Use self-contained breathing apparatus. Keep fire-exposed containers cool using water spray.

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.

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.

Critical hazards on the environment

No particular hazards known.

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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