

MSDS for Nylon 645

taulman3D,LLC St Louis, MO.



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Material Safety Data Sheet

Nylon 645-001A
1.75mm dia and 3mm dia
Round
3D Printing material

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taulman3D,LLC

314 609 3549 4061 N. Saint Peters Parkway, Saint Peters, MO. 63376

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Product and Company:

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Saint Peters, MO. 63376
<http://taulman3d.com/>
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For Emergencies Call: 314 609 3549

Identification:

Generic Name: Nylon
Chemical Name: Nylon 6 6,6 6T
Molecular Formula: N/A
Molecular Weight: N/A

Specific use:

Mono Filament for FFF 3D Printing

Product Classification:

Polyamide 6 with Polyamide 6 6,6 6T

Composition of Ingredients

There is NO chemical present in this product at a concentration of 0.1% or more classified as a carcinogen by IARC, NTP or OSHA

Physical Properties

Melting Point: 404 F (207 C)
Appearance: Transparent White
Specific Gravity: 1.13 - 1.14
Tg: >84C
Cas Reg. No. Proprietary
Water Solubility: N/A
Odor: No noticeable odor
Percent Volatiles: Nil

HAZARDOUS MIXTURES

taulman3D Nylons are thermoplastic resins. In the solid state, they are not hazardous. During processing when converted to the molten state, normal precautions for the handling of hot, sticky, fluid melts should be observed.



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Fire Data:

Flash Point: N.A. LEL: N.A. UEL: N.A.

Extinguishing Media: Water, Foam, Carbon Dioxide, Dry Chemical.

Unusual Fire and Explosion Hazards: Smoke and noxious gases (carbon monoxide, hydrocarbons, ammonia, hydrogen cyanide) evolved upon burning.

Special Fire Fighting Procedures: Self-contained breathing apparatus in any closed space.

Health Hazard Data:

Threshold Limit Value: N.A.

Effects of Overexposure:

Ingestion (Swallowing): Low Toxicity, not a probable route of exposure.

Inhalation (Breathing): Pellets not respirable. Caprolactam dust and vapors evolved during normal processing may be irritating to the respiratory tract if adequate ventilation is not provided.

Emergency and First Aid Procedures:

Eye Contact: Flush with water for approximately 15 minutes.

Skin Contact: Mechanical or thermal (molten state only) - flush with cool water immediately.

Dermatitis (dust only) - flush with water. Seek medical attention if severe reaction occurs.

Reactivity Data:

Stability: Stable.

Incompatibility (Materials to Avoid): None known.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Temperatures over 555°F may result in thermal decomposition.

Spill or Leak Procedures:

Steps to be Taken in Case Material is Released or Spilled: Sweep up and discard.

Waste Disposal Method: Landfill in accordance with local, state and federal laws.

This Material Safety Data Sheet (MSDS) is presented in good faith, based on currently available information, and is accurate to the best of our knowledge. It does not replace the precautions, directions and information contained on the product label. The user is solely responsible for: 1) following all instructions, recommendations and directions; 2) deciding whether this product or the information about this product is suitable for its use; 3) providing this MSDS.

