



Safety Data Sheet
According to EU Directive 1907/2006

BCN3D FILAMENTS Nylon Safety Data Sheet

1. Identification of the substance/preparation and of the company:

1.1. Trade name:

BCN3D FILAMENTS Nylon

1.2. Use of the product:

Filament for FFF/FDM technology based 3D printing

1.3. Company:

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2. Hazards identification:

2.1. Classification:

- No need for classification according to GHS criteria for this product.

2.2. Label elements:

- The product does not require a hazard warning label in accordance with GHS criteria.

2.3. Other hazards:

- Eyes: No significant eye irritation or eye toxicity during normal use.
- Skin: No significant skin irritation. Molten polymer may cause thermal burns.
- Ingestion: May cause irritation to the throat, mouth and stomach and / or may cause nausea.
- Inhalation: Inhalation of process fumes and vapors may cause irritation in the respiratory system.
- Chronic: No known chronic health effects

3. Composition/information on ingredients:

- This product contains a proprietary blend of components encapsulated within a polymer matrix. These components are not regarded as hazardous under 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200. The specific chemical identity of this product is withheld because it is trade secret information of MatterHackers, Inc.

4. First-aid measures:

4.1. First-aid measures description:

Inhalation:

- Move to fresh air. Get immediate medical attention.

Skin contact:

- No adverse effects are expected from accidental skin contact. If persistent skin irritation occurs, call a physician. If skin contact with hot polymer occurs, cool the skin rapidly with cold water. Do not attempt to remove hot polymer from the skin as the skin may be easily damaged. Get medical attention if significant burns occur.

Eye contact:

- Rinse immediately with plenty of water for at least 15 minutes, including under the eye lids. Get immediate medication attention.

Ingestion:

- Drink water as a precaution. Do not induce vomiting without medical advice. Get immediate medical attention.

5. Firefighting measures:

5.1. Suitable extinguishing media:

- Water spray, foam, carbon dioxide (CO₂), dry powder.

5.2. Fire fighting procedures:

- Firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

5.3. Hazardous combustion products:

- Burning may produce carbon monoxide, carbon dioxide, hydrocarbons and other possible irritating or toxic substances.

5.4. Unusual fire and explosion hazards:

- This product does not have unusual fire and explosion hazards. However, dust and fumes generated from burning of this product could present an explosion hazard.

6. Accidental release measures:

6.1. Personal precautions:

- Use personal protective equipment. Avoid contact with skin and eyes. Avoid dust formation. Remove sources of ignition. Sweep up to prevent slipping hazard.

6.2. Environmental precautions:

- Do not flush into surface or sanitary sewer systems. Do not allow material to contaminate ground water system.

6.3. Methods for cleaning up:

- Clean up promptly by scoop or vacuum. Sweep up and shovel in to suitable containers for disposal.

7. Handling and storage:

7.1. Handling:

- Avoid excessive heat and sources of ignition. Protect from moisture and sunlight. Avoid sources of static discharge.

7.2. Storage:



Keep in a dry place



Protect from
direct sunlight



Store between
10-40 degrees

- Store in a cool, dry, well ventilated storage area. Avoid excessive heat and sources of ignition. Protect from moisture and sunlight.

8. Exposure controls/personal protection:

8.1. Exposure limits:

- None established.

8.2. Engineering Controls:

- Use local exhaust ventilation and good general extraction.

8.3. Respiratory protection:

- Not required under normal process conditions and with adequate ventilation. However, should conditions exist that require respiratory protection, a NIOSH / MSHA approved respirator should be worn.

8.4. Hand Protection:

- Wear adequate gloves during hot melt conditions or mechanical processing.

8.5. Eye protection:

- Safety glasses with side-shields or goggles.

8.6. Body protection:

- Impervious clothing.

8.7. Hygiene Measures:

- Good industrial hygiene practice should be observed by washing after use. Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Wear appropriate protective clothing during melt conditions or processing.

9. Physical and chemical properties:

- Appearance: Solid filament at ambient temperature
- Odor: No significant odor
- Boiling point: Not measured
- Melting point: 190-200°C (374 – 392°F)
- Decomposition temperature: 572°F (300°C)
- Vapor pressure: No data available
- Vapor density: No data available
- Solubility in water: Insoluble
- Specific gravity: 1.12-1.15 g/cm³
- pH: Not applicable

10. Stability and reactivity:

10.1. Chemical stability:

- Stable

10.2. Conditions to avoid:

- Avoid temperatures above 572°F (300°C). Do not store near heat, flame not strong oxidizing agents, acids or bases. Minimize dust generation and accumulation.

10.3. Hazardous decomposition products:

- Carbon monoxide, carbon dioxide, hydrocarbons and other possible toxic substances can be generated during thermal decomposition and combustion.

10.4. Hazardous polymerization:

- Does not occur.

11. Toxicological information:

No data available.

12. Ecological information:

12.1. Ecotoxicity:

- No information available.

12.2. Persistence and degradability:

- No information available.

12.3. Bio accumulative potential:

- No information available.

13. Disposal considerations:

- Dispose of this product in accordance with local, state and federal regulations.

14. Transport information:

- U.S. Department of Transportation (DOT): This product is not regulated for transport.

15. Regulatory information:

- U.S. Toxic Substances Control Act (TSCA): All the component(s) comprising this product are either exempt or listed on the TSCA inventory.
- SARA Title III, Section 313: This product does not contain any components that exceed the threshold reporting levels established by SARA Title III, Section 313.

16. Other information:

Revision Indicator: SDS Revision # 1 / Issued 05/02/2015

Disclaimer: The information contained herein is accurate to the best of our knowledge.