

**Section 1****Identification of The Substance/Preparation and The Company**

**Product Name:** SKILCRAFT 3D Nylon Pro    **Synonyms:** Nylon 6, Nylon Bridge

**Product Use:** A monofilament for 3D printing    **Product Description:** Nylon Polymer Filament

**Supplier:** North Central Site Services, 2121 Reach Road Williamsport, PA 17701 United States

**Customer Information Center:** [www.fed3dsupply.com](http://www.fed3dsupply.com)

**Section 2****Hazards Identification**

**Emergency Overview:** SKILCRAFT® 3D 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.

**Appearance:** Black or color stated

**Physical state:** Solid

**Odor:** No noticeable odor

**Classification:** The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as the product's ingredients and percentages are kept as a trade secret / proprietary. This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Section 3****Composition/information on Ingredients**

<b>Synonyms:</b>	Nylon 6 6,6 6T
<b>Chemical Name:</b>	Proprietary
<b>CAS No:</b>	Proprietary
<b>Weight:</b>	90-100%

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

**Section 4****First-aid Measures**

<b>General Advice:</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

<b>Skin Contact:</b>	The following applies for mechanical or thermal contact when in the molten state: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.
<b>Inhalation:</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
<b>Ingestion:</b>	Not a likely route of exposure.
<b>Most important symptoms and effects:</b>	Dermatitis may occur. May cause irritation to the mucous membranes and upper respiratory tract.
<b>Notes to Physician:</b>	Treat symptomatically.

**Section 5****Fire-fighting Measures**

<b>Suitable Extinguishing Media:</b>	Water spray (fog). Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
<b>Unsuitable Extinguishing Media:</b>	Not determined.
<b>Specific Hazards Arising from the Chemical:</b>	Product is not flammable or combustible.
<b>Hazardous Combustion Products:</b>	Carbon monoxide. Hydrocarbons. Ammonia. Hydrogen cyanide.
<b>Protective equipment and precautions for firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6****Accidental Release Measures**

<b>Personal Precautions:</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Environmental precautions:</b>	Prevent from entering soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.
<b>Methods for Containment:</b>	Prevent further leakage or spillage if safe to do so. If in molten state, soak up with an inert, absorbent material.
<b>Methods for Clean-Up:</b>	Sweep up and shovel into suitable containers for disposal. For waste disposal see section 13 of the SDS.

#### Section 7

#### Handling and Storage

<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible Materials:</b>	None known based on information supplied.

#### Section 8

#### Exposure Controls/Personal Protection

<b>Exposure Guidelines:</b>	No exposure limits noted for ingredient(s). The following information is given as general guidance
<b>Engineering Controls:</b>	Showers, Eyewash stations, Ventilation systems.
<b>Eye/Face Protection:</b>	Safety glasses for good work practices when dealing with molten material. Refer to 29 CFR 1910.133 for eye and face protection regulations.
<b>Skin and Body Protection:</b>	Protective gloves required if in contact with molten material or newly molded polymer parts. Protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection:</b>	None required under normal use. Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>General Hygiene Considerations:</b>	Handle in accordance with good industrial hygiene and safety practice.

#### Section 9

#### Physical and Chemical Properties

<b>Appearance</b>	Transparent White	<b>Odor</b>	No noticeable odor
<b>Physical state:</b>	Solid	<b>VOC Content (%)</b>	Nil
<b>Color</b>	Transparent White	<b>Odor Threshold</b>	Not determined
<b>pH</b>	Not determined	<b>Evaporation Rate</b>	Not determined
<b>Melting Point/Freezing Point</b>	207 °C / 404 °F	<b>Flammability (Solid, Gas)</b>	Not determined
<b>Boiling Point/Boiling Range</b>	Not determined	<b>Flammability Limits in Air Upper Flammability Limits</b>	N.A.
<b>Flash Point</b>	N.A.	<b>Lower Flammability Limit</b>	N.A.
<b>Vapor Pressure</b>	Not determined	<b>Vapor Density</b>	Not determined
<b>Relative Density</b>	1.13-1.14	<b>Decomposition Temperature</b>	>290.5 °C / >555 °F
<b>Water Solubility</b>	Not applicable	<b>Kinematic Viscosity</b>	Not determined
<b>Solubility in other solvents</b>	Not determined	<b>Dynamic Viscosity</b>	Not determined



<b>Partition Coefficient</b>	Not determined	<b>Explosive Properties</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined	<b>Oxidizing Properties</b>	Not determined

### Section 10

### Stability and Reactivity

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>Hazardous Polymerization:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Temperatures over 555°F may result in thermal decomposition.
<b>Incompatible Materials:</b>	None known based on information supplied.
<b>Hazardous Decomposition Products:</b>	None known based on information supplied.

### Section 11

### Toxicological Information

#### Product Information

<b>Eye Contact:</b>	May cause temporary irritation on eye contact.
<b>Skin Contact:</b>	Dust may cause dermatitis.
<b>Inhalation:</b>	Pellets are not respirable. Caprolactam dust and vapors evolved during normal processing may be irritating to the respiratory tract if adequate ventilation is not provided.
<b>Ingestion:</b>	Not an expected route of exposure.

#### Information on physical, chemical and toxicological effects

<b>Symptoms:</b>	Please see section 4 of this SDS for symptoms.
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#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity:</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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**Section 12****Ecological Information**

<b>Ecotoxicity:</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence/Degradability:</b>	Not determined.
<b>Bioaccumulation:</b>	Not determined.
<b>Mobility:</b>	Not determined.
<b>Other Adverse Effects:</b>	Not determined.

**Section 13****Disposal Considerations**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Section 14****Transportation Information**

<b>Note</b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

**Section 15****Regulatory Information****US Federal Regulations**

<b>CERCLA</b>	This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).
<b>SARA 313</b>	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations:**

This product does not contain any substances regulated under applicable state right-to-know regulations.

**Section 16****Other Information**

<b>NFPA</b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b>HMIS</b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical hazards</b> Not determined	<b>Personal Protection</b> Not determined

**Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.