

# TAPE-CRAFT

## MANUFACTURER OF NARROW FABRICS

### MATERIAL SAFETY DATA SHEET

**MANUFACTURER NAME, ADDRESS, AND TELEPHONE NUMBER:**

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**DATE OF PREPARATION:** Created on 1/07/02, Rev. 08/16/11

**CONTACT:** Tim Phillips/John Jennings

**TAPE CRAFT MATERIAL IDENTITY:** Nylon Web

**MATERIAL DESCRIPTION:** Woven Nylon Web

HAZARDOUS INGREDIENTS		SECTION II								
<b>CHEMICAL NAME, COMMON NAME(S):</b> Caprolactam, (Aminocaproic lactam)	<b>CAS NUMBER:</b> 105-60-2	<b>% BY WT.:</b> 0.2-1.5	<b>OSHA PEL:</b> 20 mg (Vapor)/m <sup>3</sup> (TWA) 40 mg (Vapor)/m <sup>3</sup> (STEL) 1 mg (Dust)/m <sup>3</sup> (TWA) 3 mg (Dust)/m <sup>3</sup> (STEL)	<b>ACGIH TLV:</b> 20 mg (Vapor)/m <sup>3</sup> (TWA) 40 mg (Vapor)/m <sup>3</sup> (STEL) 1 mg (Dust)/m <sup>3</sup> (TWA) 3 mg (Dust)/m <sup>3</sup> (STEL)						
PHYSICAL DATA		SECTION III								
<b>Boiling Point</b> °F °C (or range) Not Applicable		<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.13		<b>Vapor Pressure (mmHg):</b> Not Available At °F °C						
<b>Percent Volatile By Volume (%):</b> <1		<b>Vapor Density (Air=1):</b> At °F °C		<b>Evaporation Rate:</b> ( =1):						
<b>Volatile Organic Compounds:</b> <1%		<b>pH at full strength:</b> Not Applicable <b>At recommended dilution:</b>		<b>Melting Point</b> °F °C (or range) Approximately 213°C						
<b>Solubility in Water:</b> 1. Negligible		<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">1. Negligible (&lt;0.1%)</td> <td style="width: 50%;">4. Appreciable (&gt;10%)</td> </tr> <tr> <td>2. Slight (0.1-1%)</td> <td>5. Complete (in all proportions)</td> </tr> <tr> <td>3. Moderate (1-10%)</td> <td></td> </tr> </table>			1. Negligible (<0.1%)	4. Appreciable (>10%)	2. Slight (0.1-1%)	5. Complete (in all proportions)	3. Moderate (1-10%)	
1. Negligible (<0.1%)	4. Appreciable (>10%)									
2. Slight (0.1-1%)	5. Complete (in all proportions)									
3. Moderate (1-10%)										
<b>Appearance and Odor:</b> Clear to white solid unless dyed. Odor is characteristic of mineral oil-based lubricant.										
FIRE AND EXPLOSION HAZARD DATA		SECTION IV								
<b>Flash Point (method used):</b> Not Applicable		<b>Flammable Limits:</b> Not Available  Lel Uel	<b>Ignition Temp.:</b> Not Available							

**Special Fire and Explosion Hazards:** Solid material may burn if exposed to flame. If thermally decomposed, flammable and or toxic gases, including carbon monoxide, hydrogen cyanide, and other organic compounds of varying chemical structure and molecular weight may be released: Toxic gases such as carbon monoxide and dense black smoke will be formed upon combustion. Decomposition products from the molten polymer may be subject to autoignition.

**Extinguishing Media:** Carbon dioxide, foam, dry chemical, water fog.

**Special Firefighting Procedures:** Wear a self-contained breathing apparatus when fighting fires involving this material. Use water spray or fog to cool exposed containers or equipment.

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HEALTH HAZARD DATA	SECTION V
<p><b>Effects of Overexposure (Acute and Chronic):</b>  <b>Inhalation:</b> No hazard is expected during normal industrial use. Melting or thermal decomposition of web may release vapors which can cause coughing and respiratory irritation. Nylon Web contains up to 1.5% caprolactam which is bound within the polymer. Caprolactam is a respiratory irritant.</p> <p><b>Skin Contact:</b> Tape-Craft is not aware of any case reports of irritation while processing or using Nylon Web. Caprolactam, a skin irritant, is bound within the polymer and is not released during normal industrial use. Skin contact with molten or heated web can cause serious burns.</p> <p><b>Eye Contact:</b> Eye contact may result in irritation. Melting may release vapors and mists which cause eye irritation.</p> <p><b>Ingestion:</b> No hazard expected during normal industrial use. Nylon 6 has low oral toxicity: LD<sub>50</sub> (rat) = 3,200mg/kg.</p> <p>Animal studies involving caprolactam have identified potential health hazards including convulsions and muscular contractions, and a decrease in body temperature following ingestion or injection. Reproductive effects, including spermatogenesis and fetotoxicity, have also been reported in ingestion and inhalation studies conducted with laboratory animals.</p> <p><b>Emergency and First Aid Procedures:</b> First aid is not normally required for skin contact. If experiencing irritation, wash skin with soap and water. Contact a physician if irritation persists. In case of skin contact with hot material, immediately immerse in or flush with cold water. Do not attempt to remove the material from the skin. Contact a physician. Upon contact with eyes, flush eyes with plenty of water. Consult a physician if irritation persists. If exposed to fumes, remove victim to fresh air. If breathing becomes labored or irritation develops, seek medical attention. Administer cardiopulmonary resuscitation if breathing is stopped.</p> <p><b>Medical Conditions Generally Aggravated by Exposure:</b> None known.</p> <p><b>Carcinogeny:</b>                    NTP? NO                    IARC Monographs? NO                    OSHA Regulated? NO</p>	
REACTIVITY DATA	SECTION VI
<p><b>Stability:</b> <input type="checkbox"/> Stable <input type="checkbox"/> Unstable    <b>Conditions to Avoid:</b> Keep material away from extreme heat and open flame.</p> <p><b>Incompatibility (Materials to avoid):</b> Strong acids and oxidizers</p> <p><b>Hazardous Decomposition Products:</b> Thermal decomposition and combustion may release hydrogen cyanide, carbon monoxide and unidentified organic compounds.</p> <p><b>Hazardous Polymerization:</b> <input type="checkbox"/> May Occur <input type="checkbox"/> Will Not Occur    <b>Conditions to Avoid:</b> Not applicable</p>	
SPILL OR LEAK PROCEDURES	SECTION VII
<p><b>Steps to be taken in case material is released or spilled:</b> Recover spilled material and place in suitable containers for reuse, recycling, or disposal.</p> <p><b>Waste Disposal Method:</b> Disposal must be in accordance with applicable federal, state or local regulations. Unless product is contaminated by other materials, the material would be classified as a solid waste and would not be hazardous waste per 40 CFR Part 261.</p>	

