

# TAPE-CRAFT

## MANUFACTURER OF NARROW FABRICS

### MATERIAL SAFETY DATA SHEET

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

TAPE-CRAFT, 200 Tape Craft Drive, Oxford, AL 36203, (800) 521-1783

**DATE OF PREPARATION:** Created on 1/07/02, Rev. 10/01/07

**CONTACT:** Tim Phillips/John Jennings

**TAPE CRAFT MATERIAL IDENTITY:** Nylon Webbing, Solution Dyed Black

**MATERIAL DESCRIPTION:** Nylon 6 Webbing

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> 23 mg(Vapor)/m <sup>3</sup> (TWA) 46 mg(Vapor)/m <sup>3</sup> (STEL) 3 mg (Dust)/m <sup>3</sup> (TWA) 1 mg (Dust)/m <sup>3</sup> (STEL)	<b>ACGIH TLV:</b> 23 mg (Vapor)/m <sup>3</sup> (TWA) 46 mg (Vapor)/m <sup>3</sup> (STEL) 3 mg (Dust)/m <sup>3</sup> (TWA) 1 mg (Dust)/m <sup>3</sup> (STEL)
Not that when Nylon 6 is hot cut or melted, some thermal breakdown occurs and small amounts of additional caprolactam and other chemicals are released. See Fire and Explosion Hazards (below) for additional information.				
PHYSICAL DATA		SECTION III		
<b>Boiling Point</b> °F °C Not Applicable	<b>Specific Gravity (H<sub>2</sub>O=1):</b> -1.13		<b>Vapor Pressure (mmHg):</b> Not Applicable At °F °C	
<b>Percent Volatile By Volume (%)</b> : <1%	<b>Vapor Density (Air=1):</b> Not Applicable At °F °C		<b>Evaporation Rate:</b> Not Applicable ( =1):	
<b>Volatile Organic Compounds:</b> Not Applicable	<b>pH at full strength:</b> Not Applicable <b>At recommended dilution:</b>		<b>Melting Point</b> °F °C Approximately 223°C	
<b>Solubility in Water:</b> 1. Negligible	1. Negligible (<0.1%) 2. Slight (0.1-1%) 3. Moderate (1-10%)		4. Appreciable (>10%) 5. Complete (in all proportions)	
<b>Appearance and Odor:</b> Black woven tape. Odor is characteristic of oil based lubricant.				
FIRE AND EXPLOSION HAZARD DATA		SECTION IV		
<b>Flash Point (method used):</b> Not Applicable	<b>Flammable Limits:</b> Not Applicable Lel Uel	<b>Ignition Temp.:</b> Not Applicable		

**Special Fire and Explosion Hazards:** Material will melt and may burn if exposed to flame. Thermal decomposition will release gases and vapors, including carbon monoxide, nitrogen oxides, hydrogen cyanide, caprolactam, and other organic compounds of varying chemical structure and molecular weight.

**Extinguishing Media:** Foam, Dry chemical or water fog

**Special Firefighting Procedures:** Wear positive pressure or pressure demanded self-contained breathing apparatus. Use water spray or fog to cool exposed material and equipment.



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HEALTH HAZARD DATA	SECTION V
<p><b>Effects of Overexposure (Acute and Chronic):</b>  <b>Inhalation:</b> No inhalation hazard exists unless webbing is melted, as in hot cutting. When melted or when thermal break-down occurs, irritating vapors, including caprolactam, and traces of carbon monoxide and nitrogen oxides are released. This can cause respiratory irritation and coughing. Nylon webbing contains up to 1.5% caprolactam associated with the polymer. Caprolactam is a respiratory irritant.</p> <p><b>Skin Contact:</b> Caprolactam vapor does not appear to be a skin irritant, although caprolactam dust does irritate the skin of some people. The hot or melted web produced during hot cutting will cause serious burns.</p> <p><b>Eye Contact:</b> Eye contact may cause irritation. Eye irritation may occur during exposure to caprolactam vapors.</p> <p><b>Ingestion:</b> No ingestion hazard occurs during normal use. Nylon-6 has low oral toxicity: LD50 (rat) = 3,200 mg/kg. Caprolactam also has a low oral toxicity, rats tolerated 667 mg/kg/day in drinking water with only mild (10%) growth depression that was reversible.</p> <p>Acute exposure to caprolactam produced mild circulatory depression in guinea pigs at levels of 118 to 261 mg/m<sup>3</sup></p> <p><b>Emergency and First Aid Procedures:</b> (Click to add text)</p> <p><b>Medical Conditions Generally Aggravated by Exposure:</b> (Click to add text)</p> <p><b>Carcinogenicity:</b> (Click to add text) <b>NTP?</b> yes/no <b>IARC Monographs?</b> yes/no <b>OSHA Regulated?</b> yes/no</p>	
<p><b>REACTIVITY DATA</b> <span style="float: right;"><b>SECTION VI</b></span></p> <p><b>Stability:</b> <input type="checkbox"/> Stable <input type="checkbox"/> Unstable <b>Conditions to Avoid:</b> (Click to add text)</p> <p><b>Incompatibility (Materials to avoid):</b> (Click to add text)</p> <p><b>Hazardous Decomposition Products:</b> (Click to add text)</p> <p><b>Hazardous Polymerization:</b> <input type="checkbox"/> May Occur <input type="checkbox"/> Will Not Occur <b>Conditions to Avoid:</b> (Click to add text)</p>	
<p><b>SPILL OR LEAK PROCEDURES</b> <span style="float: right;"><b>SECTION VII</b></span></p> <p><b>Steps to be taken in case material is released or spilled:</b> (Click to add text)</p> <p><b>Waste Disposal Method:</b> (Click to add text)</p>	

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<b>SPECIAL PROTECTION INFORMATION SECTION VIII</b>	
<b>Respiratory Protection (Specify Type):</b> (Click to add text)	
<b>Ventilation:</b> <input type="checkbox"/> <b>Local Exhaust</b> <b>Special:</b> (Click to add text)	
<input type="checkbox"/> <b>Mechanical (General)</b> <b>Other:</b> (Click to add text)	
<b>Protective Gloves:</b> (Click to add text)	
<b>Eye Protection:</b> (Click to add text)	
<b>Other Protective Equipment:</b> (Click to add text)	
<b>SPECIAL PRECAUTIONS SECTION IX</b>	
<b>Precautions to be taken in Handling and Storing:</b> (Click to add text)	
<b>Other Precautions:</b> (Click to add text)	
<b>ADDITIONAL INFORMATION SECTION X</b>	
<b>Label Warning:</b> (Click to add text)	
<b>DOT Hazard Classification:</b> (Click to add text)	
<b>EPA Hazardous Substance and Reportable Quantity:</b> (Click to add text)	
<b>RCRA Hazardous Waste:</b> (Click to add text)	
<b>SARA Title III Section 302 Extremely Hazardous Substances:</b> (Click to add text)	
<b>SARA Title III Section 313 Toxic Chemicals:</b> (Click to add text)	

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