# **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. 08/16/11 **CONTACT**: Tim Phillips/John Jennings

TAPE CRAFT MATERIAL IDENTITY: Nylon Web

MATERIAL DESCRIPTION: Woven Nylon Web

HAZARDOUS INGREDIENTS SECTION II							
CHEMICAL NAME,	CAS NUMBER:	% BY WT.:	% BY WT.: OSHA PEL:			ACGIH TLV:	
COMMON NAME(S): Caprolactam, 105-60-2		0.2-1.5	20 mg (Vang	20 mg (Vapor)/m³ (TWA)		20 mg (Vapor)/m³ (TWA)	
(Aminocaproic	· •		40 mg (Vapor)/m³ (STEL)		(STFL)	40 mg (Vapor)/m³ (STEL)	
lactam)			1 mg (Dust)/m³ (TWA)		(Θ' <u></u> , ΓWA)	1 mg (Dust)/m³ (TWA)	
			3 mg (Dust	(Dust)/m (TV7)		1 mg (Dust)/m³ (TWA) 3 mg (Dust)/m³ (STEL)	
PHYSICAL DATA SECTION III							
Boiling Point °F °C		Specific Gravity (H <sub>2</sub> O=1): 1.13			Vapor Pressure (mmHg): Not		
(or range) Not Applicable			, , , , , , , , , , , , , , , , , , , ,		Available		
<u> </u>					At °F °C		
Percent Volatile		Vapor Density (Air=1):			Evaporation Rate:		
By Volume (%): <1		At °F °C			( =1):		
Volatile Organic Compounds: <1%		pH at full strength: Not Applicable At recommended dilution:		е	Melting Point °F °C		
					(or range) Approximately 213°C		
Solubility in Water:		1. Negligible (<0.1%					
1. Negligible		2. Slight (0.1-1%)					
3. Moderate (1-10%)							
Appearance and Odor	: Clear to white	solid unless dyed.(	Odor is characte	eristic o	of mineral o	il-based lubricant.	
FIRE AND EXPLOSION HAZARD DATA SECTION IV							
Flash Point (method used):		Flammabl	J	Ignition Temp.: Not Available			
Not Applicable		Not Availal	Not Available				
		Lel	Uel				

**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**

Effects of Overexposure (Acute and Chronic):

**Inhalation**: 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. Caprolactum is a respiratory irritant.

**Skin Contact**: Tape-Craft is not aware of any case reports of irritation while processing or using Nylon Web. Caprolactum, 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.

Eye Contact: Eye contact may result in irritation. Melting may release vapors and mists which cause eye irritation.

Ingestion: No hazard expected during normal industrial use. Nylon 6 has low oral toxicity: LD 50 (rat) = 3,200mg/kg.

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.

**Emergency and First Aid Procedures**: 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.

Medical Conditions Generally Aggravated by Exposure: None known.

Carcinogenity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

#### **REACTIVITY DATA**

#### SECTION VI

Stability: Stable Unstable Conditions to Avoid: Keep material away from extreme heat and open flame.

Incompatibility (Materials to avoid): Strong acids and oxidizers

**Hazardous Decomposition Products**: Thermal decomposition and combustion may release hydrogen cyanide, carbon monoxide and unidentified organic compounds.

Hazardous Polymerization: ☐ May Occur ☐ Will Not Occur Conditions to Avoid: Not applicable

SPILL OR LEAK PROCEDURES SECTION VII

**Steps to be taken in case material is released or spilled**: Recover spilled material and place in suitable containers for reuse, recycling, or disposal.

**Waste Disposal Method**: 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.



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SPECIAL PROTECTION INFORMATION SECTION VIII						
Respiratory Protection (Specify Type): If exposure limits are exceeded, use NIOSH/MSHA-approved air purifying						
respirator. Firefighters should wear self-contained breathing apparatuses.						
<b>Ventilation:</b> □ <b>Local Exhaust</b>						
☐ Mechanical (General) Other hot material.						
<b>Protective Gloves</b> : Gloves are required when handling hot material. Use of protective gloves and clothing to minimize						
skin contact is good industrial practice.						
<b>Eye Protection</b> : None required; however, use of eye protection is good industrial practice.						
Lyc i retection. None required, newever, doe or eye protection to good industrial problem.						
Other Protective Equipment: None required.						
SPECIAL PRECAUTIONS SECTION IX						
Precautions to be taken in Handling and Storing: Store away from open flame, heat sources, and strong oxidizers.						
Other Precautions: Wash thoroughly after handling. Do not breathe mists or fumes. Ventilation is recommended when						
thermally processing the web to maintain exposures below exposure limits. (See Section II.) Wear supplied-air						
respiratory protection during fire or if exposed to combustion products.						
ADDITIONAL INFORMATION SECTION X						
Label Warning: Caution: May cause respiratory irritation during thermal processing operations.						
<b>DOT Hazard Classification</b> : Not regulated. <b>DOT Proper Shipping Description</b> : None						
EPA Hazardous Substance and Reportable Quantity: Not listed						
RCRA Hazardous Waste: Not listed						
SARA Title III Section 302 Extremely Hazardous Substances: None present						
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## **Legal Disclaimer**

While the information herein is believed to be reliable, no guarantee is made as to its accuracy or completeness. The conditions of use, handling, storage, and disposal, and the suitability of the product for particular uses are beyond our control. Consequently, the user assumes all risks involving the use of the product. We expressly disclaim all warranties of every kind and nature, express or implied, including warranties of merchantability and fitness for particular purpose.



SARA Title III Section 313 Toxic Chemicals: None present