

# PROVIDENCE YARN Co., INC.

"YARNS"

ESTABLISHED 1931\*

## MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: Created on 01/31/00

MATERIAL IDENTITY: Polypropylene Web (Polyolefin)

MATERIAL DESCRIPTION: Polypropylene filament yarn containing organic lubricant.

HAZARDOUS INGREDIENTS		SECTION II		
CHEMICAL NAME, COMMON NAME(S): Polypropylene (Polypropylene Homopolymer, Polyolefin)	CAS NUMBER: 9003-07-0	% BY WT.: 95-98	OSHA PEL: Not Established	ACGIH TLV: Not Established
PHYSICAL DATA		SECTION III		
Boiling Point °F °C (or range) Not Applicable	Specific Gravity (H <sub>2</sub> O=1): 0.91	Vapor Pressure (mmHg): Not Available At °F °C		
Percent Volatile By Volume (%): <2	Vapor Density (Air=1): Not Available At °F °C	Evaporation Rate: Not Applicable ( =1):		
Volatile Organic Compounds: <2%	pH at full strength: Not Applicable At recommended dilution:	Melting Point °F °C (or range) Approximately 130°		
Solubility in Water: 1. Negligible	1. Negligible (<0.1%) 2. Slight (0.1-1%) 3. Moderate (1-10%) 4. Appreciable (>10%) 5. Complete (in all proportions)			
Appearance and Odor: Clear to white solid unless dyed. No odor.				
FIRE AND EXPLOSION HAZARD DATA		SECTION IV		
Flash Point (method used): >221°C, 430°F (COC)	Flammable Limits: Not Available Lel Uel	Ignition Temp.: >260°C (500°F)		

**Special Fire and Explosion Hazards:** Solid material may burn if exposed to flame. If thermally decomposed, flammable and/or toxic gases, including saturated and unsaturated hydrocarbons, aldehydes, ketones, and alcohols released. Toxic gases such as carbon monoxide and dense black smoke will be formed upon combustion.

**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. Flammable and toxic vapors form upon thermal decomposition at temperatures greater than 122°F (50°C).

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### HEALTH HAZARD DATA

### SECTION V

#### Effects of Overexposure (Acute and Chronic):

**Inhalation:** Melting or thermal processing of polypropylene web at temperatures greater than 350°F may release vapors which can cause respiratory irritation of the mucous membranes and respiratory tract, and at high concentrations, may result in delayed pulmonary edema (fluid in the lungs). Thermal decomposition at temperatures between 122°F and 392°F can release hydrocarbons, aldehydes, ketones, alcohols, carboxylic acid which may affect the central nervous and respiratory systems. Thermal decomposition (burning of the polymers will release carbon monoxide and other toxic gases which can result in carboxyhemoglobinemia and asphyxiation.

**Skin Contact:** We are not aware of any case reports of irritation while processing or using Polypropylene Webbing. However, skin contact with molten or heated web can cause serious burns.

**Eye Contact:** Eye contact may result in irritation. Melting polymer and thermal decomposition may release vapors and gases which may cause eye irritation.

**Ingestion:** No hazard expected during normal industrial use.

**Emergency and First Aid Procedures:** First aid is not normally required for skin contact. 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.

**Carcinogenicity:**

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 oxidizers such as chlorine, nitric acid, and perchloric acid.

**Hazardous Decomposition Products:** Thermal processing and/or melting may release hydrocarbons, aldehydes, ketones, alcohols, carboxylic acids, and other organic compounds. Combustion will release 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 material, the material would be classified as a solid waste and would not be hazardous waste per 40 CFR part 261.

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<b>SPECIAL PROTECTION INFORMATION SECTION VIII</b>	
Respiratory Protection (Specify Type): Use of NIOSH - approved respirators recommended when handling hot material. Firefighter should wear self-contained breathing apparatuses.	
Ventilation: <input type="checkbox"/> Local Exhaust <input type="checkbox"/> Mechanical (General)	Special: Adequate ventilation to control exposures is required when handling hot material. Other:
Protective Gloves: Gloves are required when handling hot material. Use of protective gloves and clothing to minimize skin contact is good industrial practice.	
Eye Protection: None required; however, use of eye protection is good industrial practice.	
Other Protective Equipment: None required.	
<b>SPECIAL PRECAUTIONS SECTION IX</b>	
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 vapors or fumes. Ventilation is recommended to maintain exposures below exposure limits and when handling hot material. Wear supplied air respiratory protection if exposed during fire or if exposed to combustion products.	
<b>ADDITIONAL INFORMATION SECTION X</b>	
Label Warning: Caution: May cause respiratory irritation during thermal processing operations.	
DOT Hazard Classification: Not regulated	DOT Proper Shipping Description: None
EPA Hazardous Substance and Reportable Quantity: Not listed	
RCRA Hazardous Waste: Not listed	
SARA Title III Section 302 Extremely Hazardous Substances: None present	
SARA Title III Section 313 Toxic Chemicals: None present	

### 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.

INFORMATION SUPPLIED BY OTHERS.

NOTE: LUBRICANT USED ON THE 1680 POLYPROPYLENE YARN IS A COMBINATION OF: POLYGLYCOL COMPOUND & ESTER OILS.