

Material Safety Data Sheet

LEWCO

Polypropylene Belting

Manufacturer's Name: LEWCO Specialty Products, Inc.
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Material Description: Polypropylene Filament Yarn Containing Organic Lubricant

SECTION I – Hazardous Ingredients

Identity	CAS No.	%	PEL	TLV
Polypropylene (Polypropylene Homopolymer, Polyolefin)	9003-07-0	95-98	NE	NE

SECTION II – Physical Data

Melting Point: Approximately 130° C
Boiling Point: Not applicable
Vapor Pressure (mm Hg): Not applicable
Vapor Density (Air=1): Not applicable
Specific Gravity (H₂O=1): 0.91
Percent Volatile by Volume: <2
Volatile Organic Compounds: <2 %
pH at Full Strength: Not applicable
Evaporation Rate: Not applicable
Solubility in Water: Negligible
Appearance and Odor: Clear to white solid unless dyed. No odor.

SECTION III – Fire and Explosion Data

Flash Point: > 221° C, 430° F (COC)
Ignition Temperature: > 260° C (500° F)
Flammability Limits: Not Applicable
Extinguishing Media: Water Fog, Carbon Dioxide, Foam or Dry Chemical
Special Fire-Fighting Instructions: Wear a self-contained breathing apparatus (SCBA) when fighting fires involving this material. Use water spray or fog to cool exposed containers or equipment. Flammable and toxic vapors may form upon thermal decomposition at temperatures greater than 120° F (50° C)
Special Fire and Explosive 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 may be released. Toxic gases such as carbon monoxide and dense black smoke will be formed upon combustion.

SECTION IV – Health Hazard Data

Effects of Overexposure (Acute and Chronic)

Inhalation: Melting or thermal processing of polypropylene web at temperatures greater than 350° F may release

Skin Contact: There have been no case reports of irritation while processing or using Polypropylene Web. 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 develops, seek medical attention. Administer cardiopulmonary resuscitation if breathing is stopped.

Medical Conditions Aggravated by Exposure: None known

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION V – Reactivity Data

Stability: Stable

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: Will not occur

Conditions to Avoid: Not applicable

SECTION VI – Spill or Leak Procedures

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: Dispose of as solid in accordance with federal, state and local regulations. Not considered hazardous waste under federal “RCRA” regulations.

Section VII- Special Protection Information

Respiratory Protection: Use NIOSH/MSHA – approved air purifying respirator with cartridges if exposure limits are exceeded. Firefighters should wear self-contained breathing apparatuses.

Ventilation: Use local exhaust & mechanical (general) ventilation. Adequate ventilation to control exposures is required when handling hot material.

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.

SECTION VIII – Special Precautions

Precautions to be taken in handling and storage: 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.

SECTION IX – Additional Information

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

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