

# Material Safety Data Sheet

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**LEWCO TCFT 21**

**Teflon Coated Fiberglass Thread**

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**Manufacturer's Name:** LEWCO Specialty Products, Inc.

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## **SECTION I – Component Data**

### **Hazardous Ingredients**

Fibrous Glass (Case # 65997-17-3)

% Composition: 98-100

OSHA-PEL: a.

ACGIH TLV: 10 mg/m<sup>3</sup>

Other: 3 x 10<sup>6</sup> fibers/m<sup>3</sup>

### **Non Hazardous Ingredients**

Cured Polyester, Epoxy or Starch Based Size

% Composition: 0-2%

OSHA-PEL: None Established

ACGIH TLV: None Established

Other: None Established

a. OSHA has not established a specific PEL for fibrous glass. It is considered to be a “particulate not otherwise regulated” (PNOR) and is covered under the OSHA nuisance dust PELs of 5 mg/m<sup>3</sup> for the total dust fraction for an 8-Hr TWA.

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## **SECTION II –Emergency and First Aid Procedures**

**Inhalation** – Move individuals to fresh air. Seek medical attention if irritation persists

**Skin Contact** – Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation do not rub or scratch irritated areas. Rubbing or scratching may force fibers into the skin. Seek medical attention if irritation persists.

**Eye Contact** – Flush eyes with flowing water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion** – Not applicable.

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## **SECTION III – Fire and Explosion Data**

**Flash Point:** Not Applicable

**Auto Ignition Temperature:** not Applicable

**Flammability Limits:** Not Applicable

**Extinguishing Media:** Water, foam, carbon dioxide and dry chemical.

**Special Fire-Fighting Instructions:** In a sustained fire, self contained breathing apparatus should be worn.

**Unusual Fire and Explosive Hazards:** None known.

## **SECTION IV – Health Hazard Data**

**Primary Routes of Entry:** Inhalation and Skin Contact

**Health Hazards:**

**Acute:**

**Inhalation:** Inhalation of dusts and fibers may result in irritation of the upper respiratory tract (Mouth, nose and throat)

**Skin Contact:** Skin contact with dusts and fibers may produce itching and temporary mechanical irritation.

**Eye Contact:** Eye contact with dusts and fibers may produce temporary mechanical irritation.

**Ingestion:** Temporary mechanical irritation of the digestive tract. Observe individual. If symptoms develop, consult physician.

**Chronic** – See Carcinogenicity section below. There are no other known health effects associated with chronic exposure to this product.

**Carcinogenicity:**

**Hazardous Ingredients Listed as a Carcinogen By:**

Fiberglass continuous filament	ACGIH	IARC	NTP	OSHA
	No	No*	No	No

\***IARC** – In June of 1987 the International Agency for Research on Cancer (IARC) categorized fiberglass continuous filament as not classifiable with respect to human carcinogenicity (Group 3). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filament as a possible, probable or confirmed cancer causing material.

**Medical Conditions Aggravated by Exposure:** Persons with a history of chronic respiratory or skin conditions that are aggravated by mechanical irritants may be at increased risk for worsening their condition from exposure during use of this product.

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## **SECTION V – Employee Protection**

**Ventilation:** General dilution ventilation and/or local exhaust ventilation should be provided, as necessary, to maintain exposures below PEL's or TLV's

**Respiratory Protection:** A properly fitted NIOSH/MHSA approved disposable dust respirator such as the model 8710 or model 9900 (in high humidity environments) or equivalent should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible exposure limits; or if irritation occurs. Use respiratory protection in accordance with your companies respiratory protection program and OSHA regulations under 29 CFR 1910.134

**Eye Protection:** Safety glasses with side shields.

**Protective Clothing:** Wear loose fitting, long sleeved shirt that covers to the base of the neck and long pants. Skin irritation from exposure to fiberglass is known to occur chiefly at pressure points such as around the neck, wrist and waist. Wear gloves when handling this product.

**Work/Hygienic Practices:** Avoid unnecessary exposure to dusts and fibers. Remove fibers from skin after exposure. Be careful not to rub or scratch irritated areas. Rubbing or scratching may force the fibers into the skin. The fibers should be washed off. Use of barrier creams, in some instances is helpful. Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash work clothing separately and wipe out the washer/sink in order to prevent loose glass fibers from getting on other clothes. Keep the work area clean of dusts and fibers generated during fabrication. Use vacuum equipment to clean up dust fibers. Avoid sweeping or using compressed air as these techniques resuspend dusts and fibers into the air. Have access to safety showers and eye wash fountains.

## **SECTION VI – Reactivity Data**

**Stability:** Stable

**Incompatibility (Materials to avoid):** None known

**Hazardous Decomposition Products:** Sizings or binders may decompose in a fire. Primary decomposition products include carbon monoxide, carbon dioxide, other hydrocarbons and water.

**Hazardous Polymerization:** Will not occur

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## **SECTION VII – Storage Precautions**

No special precautions necessary.

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## **SECTION VIII – Physical Data**

**Melting Point:** Not applicable

**Boiling Point:** Not applicable

**Specific Gravity (H<sub>2</sub>O=1):** 1.96

**Percent Volatile by Volume:** Not applicable

**Vapor Pressure (mm Hg):** Not applicable

**Vapor Density (Air=1):** Not applicable

**Solubility in Water:** Insoluble

**Appearance and Odor:** Off White/Tan colored solid with no odor.

**pH:** Not Applicable

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## **SECTION IX – Environmental Protection**

**Action to Take for Spills:** For dusts and fibers generated during fabrication vacuum up and containerize

**Waste Disposal Method:** Dispose in accordance with federal, state, and local regulations as a solid non-hazardous waste.

**EPA Hazardous Waste Number:** This product is not regulated under the “RCRA” hazardous waste regulations.

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## **SECTION X – Shipping Information**

**DOT Shipping Description:** Not regulated by DOT

**Hazardous Classification:** N/A

**ID Number:** N/A

**Labels Required:** N/A

**EPA hazardous Substance:** N/A

**RQ Value:** N/A

**Packaging Requirements (49 CFR):** N/A

**IATA Packaging Group:** N/A

**Freight Description:** Glass fiber roving, yarn, or strand, continuous lengths or chopped. NMFC 171400

**Additional Information:** None

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## **SECTION XI – Additional Information**

### **SARA TITLE Hazard Categories and lists:**

#### **Categories**

Acute Health: Yes

Chronic Health: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

#### **SARA III Listings**

Sec. 302 (Sec. 304 reportable)

Extremely Hazardous Substances: No

Sec. 304 Reportable

CERCLA Hazardous Substance: No

Sec. 313, Toxic Chemicals: No

**NPCA – HMIS Rating**

Health (Acute): 1  
Flammability: 0  
Reactivity: 0  
Personal Protection: \*

**NEPA Rating**

Health: 1  
Flammability: 0  
Reactivity: 0  
Unusual Hazards: None

\*Personal protective equipment requirements must be supplied by the user depending on use conditions.

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