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SAFETY DATA SHEET (SDS)

Polyester Round Slings

1. Identification

Product Name: Polyester Round Slings

Manufacturer: Liftex Corporation

Recommended Use: Industrial lifting and rigging

Emergency Phone: 800-299-0900

2. Hazard(s) Identification

OSHA Hazard Classification: Not classified as hazardous under 29 CFR 1910.1200.

Signal Word: None

Hazard Statements: None

Potential Hazards: Mechanical injury if misused, overloaded, cut, or exposed to fire.

3. Composition / Information on Ingredients

Polyester polymer

CAS Number: 25038-59-9

Concentration: >95%

4. First-Aid Measures

Inhalation: Not expected under normal use. If fumes from burning material are inhaled, remove person to fresh air and seek medical attention if symptoms persist.

Skin Contact: No hazard under normal use. If molten material contacts skin, cool with water. Do not attempt to remove solidified material.

Eye Contact: Flush cautiously with water for several minutes if irritation occurs.

Ingestion: Not a normal route of exposure. Seek medical attention if swallowed.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, foam, or CO₂.

Specific Hazards: Material may burn and produce carbon monoxide, carbon dioxide, and irritating fumes.

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA).

6. Accidental Release Measures

Personal Precautions: None required.

Cleanup Methods: Collect mechanically. Dispose in accordance with regulations.

7. Handling and Storage

Handling: Avoid cutting, abrasion, chemical exposure, or exceeding rated capacity. Follow all applicable rigging standards.

Storage: Store in a cool, dry location away from UV exposure and chemicals.

8. Exposure Controls / Personal Protection

Exposure Limits: None established.

Engineering Controls: None required.

Personal Protective Equipment: Gloves, safety footwear, and eye protection as required by task.

9. Physical and Chemical Properties

Appearance: Woven or jacketed synthetic sling

Odor: None

Melting Point: ~250°C (Polyester) / ~215°C (Nylon) *Note: Polyester roundslings should not be exposed to temperatures exceeding 90°C (194°F).*

Solubility: Insoluble in water

Specific Gravity: Approx. 1.14–1.38

10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Excessive heat, prolonged UV exposure.

Incompatible Materials: Strong acids, alkalis, oxidizers.

Hazardous Decomposition Products: CO, CO₂ when burned.

11. Toxicological Information

No known acute or chronic toxicity under normal conditions. Not listed as carcinogenic by OSHA, IARC, or NTP.

12. Ecological Information

Not readily biodegradable. No known acute aquatic toxicity.

13. Disposal Considerations

Dispose in accordance with local, state, and federal regulations. Non-hazardous industrial waste.

14. Transport Information

DOT / IMDG / IATA: Not regulated as hazardous.

15. Regulatory Information

OSHA Hazard Communication Standard: Not hazardous.

TSCA: Listed.

REACH / RoHS: Compliant.

16. Other Information

References:

ASME B30.9 – Slings

ANSI B30.9

WSTDA WS-1 (Web Slings)

WSTDA RS-1 (Round Slings)

OSHA 29 CFR 1910 Subpart N

Prepared by Liftex Corporation – Safety & Compliance