

SAFETY DATA SHEET (SDS)

According to GHS and OSHA Hazard Communication Standard 29 CFR 1910.1200

Revision Date: May 22, 2025

SECTION 1: IDENTIFICATION

Product Name	Primerless Twist Tape (Primerless Heat Shrinkable Tape for Irregular Structures)
Product Composition	Cross-linked Polyolefin (Backing) with Heat-Resistant/Corrosion-Resistant Adhesive
Recommended Use	Corrosion protection for small diameter steel pipes, fittings, elbows, tees, and irregular structures.
Application Method	Spiral wrapping with heat application (torch or heat gun or flame torch).
Manufacturer	Shandong Quanmin Plastic Co., Ltd.
Address	North of Shengli Oil Extraction Plant Tuo Si Joint Station, Dongying City, Shandong Province, China.
Emergency Phone	+86-546-8740309

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified as hazardous according to GHS/OSHA 29 CFR 1910.1200.

Physical Hazards: None under normal conditions. Molten adhesive may cause thermal burns during heat application.

Inhalation: Overheating (above 250°C) may release irritating fumes (CO, CO₂, or organic vapors).

Label Elements: None required for the solid finished product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Cross-linked Polyolefin Backing	Proprietary (Polymer)	50% - 70%
Modified Polyolefin Adhesive	Proprietary Blend	30% - 50%
Corrosion Inhibitors/Stabilizers	Trade Secret	1% - 5%

**Note: Specific chemical identities are withheld as a trade secret.*

SECTION 4: FIRST AID MEASURES

Skin Contact: If molten material contacts skin, cool immediately with cold water. Do not peel solidified material off. Seek medical attention for burns.

Eye Contact: Flush with water for at least 15 minutes. If irritation persists, seek medical advice.

Inhalation: If exposed to fumes from overheating, move person to fresh air. Seek medical attention if respiratory distress occurs.

Ingestion: Not a likely route of exposure. Consult a physician if swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, Dry chemical, CO₂, or Foam.

Special Hazards: When burned, produces dense smoke containing Carbon Monoxide, Carbon Dioxide, and various hydrocarbons.

Protection: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Product is a solid tape. No special spill measures required. Collect scraps and dispose of as solid industrial waste according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid prolonged skin contact with adhesive. Use in well-ventilated areas during heat application. Do not breathe fumes.

Storage: Store in a cool, dry place away from direct sunlight (UV). Recommended storage temperature: < 40°C (104°F). Keep away from open flames.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation when using torches or heat guns.

Respiratory Protection: Not required under normal use. If ventilation is poor, use an organic vapor respirator.

Hand Protection: Use heat-resistant gloves during installation.

Eye Protection: Safety glasses or goggles are recommended during heat application.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid tape (Dual layer)	Color	Black
Odor	Odorless (at room temp)	Melting Point (Adhesive)	80°C - 110°C
Shrink Temperature	> 120°C	Solubility in Water	Insoluble
Shrink Ratio	≥ 20%	Flammability	Slow burning

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under recommended storage and usage conditions.

Conditions to Avoid: Temperatures exceeding 250°C (decomposition risk).

Incompatibility: Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

No acute toxicity. The product is considered a "Non-hazardous Article".

- **Sensitization:** Rare, but some individuals may be sensitive to adhesive components.
- **Carcinogenicity:** None of the components are listed by IARC, NTP, or OSHA as carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

This product is chemically inert and not biodegradable. It is not expected to be toxic to aquatic life. Do not dispose of in the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of as non-hazardous solid waste in accordance with local, state, and federal regulations. Recycling of polyolefin content is preferred where facilities exist.

SECTION 14: TRANSPORT INFORMATION

DOT/IMDG/IATA: Not regulated as a hazardous material for transportation.

SECTION 15: REGULATORY INFORMATION

- **TSCA:** All components are listed or exempt.
- **REACH/RoHS:** Compliant with limits for restricted substances.
- **SARA Title III:** No reportable chemicals.

SECTION 16: OTHER INFORMATION

HMIS Rating: Health: 1 | Flammability: 1 | Physical Hazard: 0

Prepared By: Technical Quality Department of Shandong Quanmin Plastic Co., Ltd.

Statement : *The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. It is intended as a guide for safe handling and use, and is not a warranty or quality specification.*