

SAFETY DATA SHEET (SDS)

Rubber-Modified Bitumen Anti-Corrosion Cold Applied Tape
PE Bitumen Tape

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rubber-Modified Bitumen Anti-Corrosion Tape

Other Names: Bituminous Cold Wrap Tape, PE Bitumen Tape

Recommended Use: Corrosion protection for buried steel pipelines (oil, gas, water) and field joint coating.

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

2.1 Classification

This product is an "**Article**" and is not classified as hazardous under GHS/OSHA standards at ambient temperatures.

2.2 Potential Health Effects

- **Skin:** Adhesive is tacky. Prolonged contact may cause mild irritation in sensitive individuals.
- **Eyes:** Physical contact with tape edges or adhesive may cause mechanical irritation.
- **Inhalation:** Not applicable at room temperature. If heated to decomposition, asphalt fumes may irritate the respiratory tract.
- **Ingestion:** Low toxicity. Not a likely route of exposure.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
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Polyethylene (Backing)	9002-88-4	30% - 50%
Petroleum Bitumen (Asphalt)	8052-42-4	25% - 45%
Synthetic Rubber (SBS+Butyl)	9003-55-8	15% - 20%
Mineral Fillers/Tackifiers	N/A	5% - 10%
Release Liner (PE Film or Siliconized Paper)	N/A	Removed during use

SECTION 4: FIRST AID MEASURES

- **Skin Contact:** Wash with soap and water. Use mineral oil or baby oil to remove adhesive residue. **In case of contact with molten material:** Cool immediately with water. Do not attempt to peel. Seek medical help.
- **Eye Contact:** Flush with water for 15 minutes. If irritation persists, seek medical attention.
- **Inhalation:** If affected by fumes from overheating, move to fresh air.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if large amounts are swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, foam, CO₂, water spray.

Hazards: Combustion produces dense black smoke, CO, CO₂, and sulfur oxides. Molten bitumen can spread fire.

Firefighting: Wear SCBA and full protective gear. Avoid direct high-pressure water streams on molten bitumen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Not applicable for solid tape. If waste rolls are damaged, collect manually and place in a suitable container for disposal. Prevent waste from entering water systems.

SECTION 7: HANDLING AND STORAGE

Handling: Use mechanical aids for heavy rolls. Wear gloves to prevent skin sticking to the adhesive edges.

Storage: Store in a cool, dry place away from direct sunlight (UV light can degrade the PE backing). Keep away from open flames. **Stacking:** Do not stack pallets more than two high to prevent deformation of rolls. Recommended temperature: -10°C to 40°C.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: General ventilation is sufficient. Local exhaust is recommended if the material is heated.

Personal Protective Equipment (PPE):

- **Gloves:** Wear work gloves (cotton or leather) to handle tape rolls.
- **Eye:** Safety glasses with side shields.
- **Respiratory:** Not required under normal cold-application conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black tape with a plastic release liner
Odor	Slight characteristic petroleum odor
Softening Point (Adhesive)	> 90°C
Solubility	Insoluble in water
Flash Point	> 230°C (Adhesive)
Auto-ignition Temp	> 400°C

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid temperatures above 200°C. Incompatible with strong oxidizing agents and organic solvents.

SECTION 11: TOXICOLOGICAL INFORMATION

Not toxic at room temperature. Asphalt fumes (at high temperatures) are classified by IARC as Group 2B (Possibly carcinogenic to humans), but this does not apply to the tape used at ambient temperatures.

SECTION 12: ECOLOGICAL INFORMATION

Environmentally inert. Not biodegradable. Will not leach harmful substances into groundwater under normal buried pipeline conditions.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local/national regulations. Usually suitable for controlled industrial landfilling or incineration.

SECTION 14: TRANSPORT INFORMATION

DOT/IMDG/IATA: Not Regulated. Not a dangerous good for transportation.

Precautions: Prevent crushing and avoid high temperature exposure during transit.

SECTION 15: REGULATORY INFORMATION

This product complies with international pipeline coating standards such as **AWWA C209, ISO 21809**, and **DIN 30672**.

SECTION 16: OTHER INFORMATION

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

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

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Notice: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.