

# SAFETY DATA SHEET (SDS)

## PP Fiber Woven Tape

Compliant with GHS (Rev. 9), ISO 11014, and OSHA 29 CFR 1910.1200

### SECTION 1: IDENTIFICATION

**Product Name:** PP fiber woven tape

**Technical Name:** Polypropylene Fiber Woven Backing Rubber Modified Asphalt Strip

**Recommended Use:** Heavy-duty external corrosion protection for buried steel pipelines. Specifically designed for high mechanical resistance and soil stress environments.

**Manufacturer:** Shandong Quanmin Plastic Co., Ltd.

**Address:** North of Shengli Oil Extraction Plant Tuo Si Joint Station, Dongying City, Shandong Province, China.

**Emergency Contact:** +86-546-8740309

### SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** NOT CLASSIFIED AS HAZARDOUS.

**Article Statement:** Under OSHA and international GHS standards, this product is defined as an "Article." Under normal conditions of use, it does not pose a chemical hazard to health or the environment.

#### Potential Physical Hazards:

- Sticky adhesive may cause minor skin irritation upon prolonged contact.
- Large industrial rolls may present a heavy lifting hazard (ergonomic).
- Combustible solid: Will burn if exposed to intense heat or open flame.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
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Polypropylene Woven Geotextile (Backing)	9003-07-0	25% - 40%
Oxidized Bitumen (Asphalt)	8052-42-4 / 64742-93-4	40% - 55%
Isobutylene-isoprene rubber (IIR)	9003-55-8	15% - 25%
Tackifying Resins / Inert Fillers	Proprietary	5% - 10%
Release Liner (PE Film or Siliconized Paper)	N/A	Removed during use

## SECTION 4: FIRST AID MEASURES

**Inhalation:** Not a likely route of exposure. If fumes from accidental overheating are inhaled, move to fresh air.

**Skin Contact:** Wash adhesive residue with soap and water or a specialized skin cleaner. For contact with molten material, flush with cold water; do not attempt to peel solidified bitumen from skin and seek medical attention.

**Eye Contact:** Flush with water for at least 15 minutes to remove mechanical debris. If irritation persists, seek medical advice.

**Ingestion:** Not expected to be toxic. If ingested, do not induce vomiting and seek medical attention.

## SECTION 5: FIREFIGHTING MEASURES

**Extinguishing Media:** Water spray (fog), foam, dry chemical, or carbon dioxide (CO<sub>2</sub>).

**Specific Hazards:** Combustion produces dense black smoke containing Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), and Sulfur Oxides (SO<sub>x</sub>).

**Protective Equipment:** Firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear work gloves and safety shoes.

**Environmental Precautions:** Product is solid and insoluble. Prevent waste scraps from entering drains or watercourses.

**Cleanup:** Pick up rolls or scraps and place in labeled containers for disposal or recycling.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Use proper lifting techniques for heavy rolls. Wear gloves to avoid sticky residue. Maintain good industrial hygiene.

**Storage:** Store in a cool, dry warehouse away from direct sunlight and heat sources. Keep at temperatures below 45°C to prevent adhesive softening.

**UV Sensitivity:** Polypropylene geotextile is sensitive to long-term UV exposure; keep rolls wrapped until application.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** No special ventilation required for outdoor application.

### Personal Protective Equipment (PPE):

- **Hand Protection:** Heavy-duty work gloves (cloth or nitrile-coated).
- **Eye Protection:** Safety glasses during cutting or mechanical wrapping.
- **Skin Protection:** Standard long-sleeved work uniform and safety boots.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid Tape (Roll form)
<b>Color</b>	Black adhesive with Black/Gray fabric backing
<b>Odor</b>	Mild petroleum/bitumen odor
<b>Solubility</b>	Insoluble in water
<b>Softening Point (Adhesive)</b>	90°C - 120°C
<b>Mechanical Properties</b>	High tensile strength and puncture resistance (Geotextile reinforced)

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage and use conditions.

**Conditions to Avoid:** Temperatures > 200°C, open flames, and strong oxidizing agents.

**Incompatible Materials:** Strong oxidizers, liquid chlorine, and concentrated oxygen.

**Hazardous Decomposition:** Will not occur at ambient temperatures.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Non-toxic in solid form.

**Carcinogenicity:** The IARC classifies bitumen fumes (from high-temperature applications) as Group 2B. This product is applied cold; therefore, inhalation risk is negligible.

**Skin Sensitization:** Minor allergic reactions may occur in sensitive individuals due to resins.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Ecologically inert. Not toxic to aquatic life.

**Persistence:** Not biodegradable. The PP backing and bitumen will persist in the environment.

**Mobility:** Low mobility in soil due to solid state and water insolubility.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Not classified as hazardous waste. Dispose of in accordance with local industrial solid waste regulations. Recycling is preferred where facilities exist for bitumen-based materials.

## SECTION 14: TRANSPORT INFORMATION

**DOT / IMDG / IATA:** NOT REGULATED AS DANGEROUS GOODS.

Safe for sea, air, and land transport. No special labeling required.

## SECTION 15: REGULATORY INFORMATION

**Compliant with:** ISO 21809-3 Type 4C, EN 12068, AWWA C209.

**Chemical Inventories:** All ingredients are listed on TSCA (USA) and REACH (EU).

## SECTION 16: OTHER INFORMATION

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

**Technical Note:** The woven geotextile structure provides superior resistance to "Soil Stress," making this product ideal for clay soils and pipeline movement environments.

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

**Revision Date:** 2024-05-22

**Disclaimer:** This Safety Data Sheet (SDS) is provided as a guide for the safe handling and use of the product. While the information is believed to be accurate at the time of preparation, Shandong Quanmin Plastic Co., Ltd. makes no warranty, expressed or implied, with respect to its accuracy or completeness.