

SAFETY DATA SHEET (SDS)

Aluminum Asphalt Waterproof Tape

In accordance with GHS Rev. 9 & OSHA 29 CFR 1910.1200

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aluminum Asphalt Waterproof Tape/Aluminum asphalt strip

Product Category: Outdoor UV-Resistant Cold Applied Tape

Recommended Use: Corrosion protection for outdoor exposed steel pipelines, joints, valves, and tank roofs. Also used for building flashing and waterproofing.

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

GHS Classification: **Not Classified as Hazardous.**

This product is considered an "Article" under international GHS standards. It does not pose a chemical hazard under normal conditions of use and ambient temperatures.

Potential Physical Hazards:

- **Skin/Cuts:** The aluminum foil backing may have sharp edges which can cause minor cuts if handled improperly.
- **Adhesion:** The bitumen adhesive is very tacky and will stick to skin and clothing.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Aluminum Foil (Backing)	7429-90-5	20% - 35%

Component	CAS No.	Weight %
Petroleum Bitumen (Asphalt)	8052-42-4	45% - 60%
Styrene-Butadiene-Styrene (SBS)	9003-55-8	5% - 15%
Mineral Fillers (Calcium Carbonate)	471-34-1	5% - 10%

SECTION 4: FIRST AID MEASURES

- **Skin Contact:** Wash with soap and water. If adhesive residue remains, use mineral oil or a specialized hand cleaner to dissolve the bitumen. **Do not use solvents like gasoline.**
- **Eye Contact:** Flush with plenty of water. If irritation persists, seek medical advice.
- **Inhalation:** Not a likely route for solid tape. If fumes are inhaled from accidental overheating, move to fresh air.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, Carbon Dioxide (CO₂), Foam. Avoid direct high-pressure water streams on molten bitumen.

Specific Hazards: The product will burn if involved in a fire. Combustion releases thick black smoke, carbon monoxide, and various hydrocarbons.

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Not applicable for solid rolls. Collect scrap pieces and disposal liners. Place in a suitable container for industrial waste disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Wear work gloves to protect hands from sharp aluminum edges and sticky adhesive. Ensure the release liner remains intact until application.

Storage: Store in a cool, dry place away from open flames. **Important:** Although the aluminum surface is UV resistant, store the rolls in a shaded area before use to prevent the adhesive from softening due to excessive heat. Recommended storage temperature: -5 °C to 45°C.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: General ventilation is sufficient for outdoor application.

Personal Protective Equipment (PPE):

- **Gloves:** Wear heavy-duty cotton or leather work gloves.
- **Eye Protection:** Safety glasses with side shields are recommended.
- **Respiratory Protection:** Not required under normal application.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid Tape
Appearance	Silver metallic top surface, Black adhesive underside
Odor	Slight petroleum/bitumen odor
Solubility in Water	Insoluble
Softening Point	> 95°C (Adhesive)
Flash Point	> 230°C (Adhesive)

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 ambient temperatures. Asphalt (Bitumen) is not classified as a human carcinogen in its solid form at room temperature.

SECTION 12: ECOLOGICAL INFORMATION

Chemically inert. Not biodegradable. Will not leach significant pollutants into the soil or water under normal buried or exposed conditions.

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.

This product is not classified as a dangerous good for transport by road, sea, or air. It is safe for international shipping as a general industrial commodity.

SECTION 15: REGULATORY INFORMATION

Designed for compliance with international standards for outdoor pipeline and structural protection, including **ISO 21809-3** and **ASTM D1000**. Ingredients are compliant with REACH and TSCA inventories.

SECTION 16: OTHER INFORMATION

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

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

Revision Date: 2026-01-26

Notice: The information in this SDS is based on our current knowledge. Users should determine the suitability of the product for their specific application and comply with all local regulations.