

SAFETY DATA SHEET (SDS)

Aluminum Butyl Anti-Corrosion & Waterproof Tape
 Complies with GHS (Rev.9) and OSHA 29 CFR 1910.1200

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aluminum Butyl Tape

Synonyms: Alu-Butyl Tape, UV-Resistant Cold Applied Tape

Recommended Use: UV-resistant external corrosion protection for outdoor steel pipelines, storage tanks, and metal roofing joints.

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.
Note: This product is defined as an "Article" (a finished manufactured item). Under normal conditions of use, it does not release hazardous chemicals.

Physical Hazards: The edges of the aluminum foil backing can be sharp. Handle with care to avoid skin cuts.

Environmental Hazards: None known. The product is chemically inert.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Aluminum Foil (Backing)	7429-90-5	25% - 40%
Butyl Rubber / Polyisobutylene	9003-27-4 / 9003-29-6	40% - 60%
Calcium Carbonate / Fillers	471-34-1	10% - 20%
Release Liner (PE Film or Paper)	N/A	(Removable portion)

SECTION 4: FIRST AID MEASURES

- **Skin Contact:** No irritation expected. If cuts occur from aluminum edges, treat as a standard mechanical injury. Wash adhesive residue with soap and water or mineral oil.
- **Eye Contact:** Physical contact only. Flush with water if particles enter eyes.
- **Inhalation:** Not applicable under normal conditions.
- **Ingestion:** Not a likely route. If swallowed, do not induce vomiting and seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, Foam, Dry Chemical, CO₂.

Specific Hazards: The aluminum backing is non-combustible, but the butyl adhesive will burn if exposed to high heat. Combustion may release carbon monoxide (CO) and soot.

Firefighting PPE: Self-contained breathing apparatus (SCBA) for indoor fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Not applicable. Product is a solid tape. Pick up scrap pieces and dispose of as solid waste.

SECTION 7: HANDLING AND STORAGE

Handling: Wear work gloves to prevent cuts from the aluminum foil edges. Avoid contact between the adhesive and clothing.

Storage: Store in a cool, dry place (5°C to 40°C). Keep rolls in original packaging until use.

UV Resistance: While the aluminum backing is UV-proof, the adhesive edges should be protected from long-term exposure before application.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering Controls:** None required for outdoor or well-ventilated application.
- **Hand Protection:** Wear abrasion-resistant or cut-resistant gloves (e.g., leather or heavy-duty cotton).
- **Eye Protection:** Not required, safety glasses recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid tape, Metallic (Silver) surface
Odor	Odourless / Negligible petroleum odor

Boiling Point	Not applicable
Flash Point	> 250°C (Adhesive)
Solubility in Water	Insoluble
UV Resistance	Excellent (Aluminum provides 100% UV block)

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid contact with strong oxidizing agents and organic solvents (which may dissolve the butyl adhesive).

SECTION 11: TOXICOLOGICAL INFORMATION

Non-toxic. Butyl rubber is physiologically inert. Aluminum foil is safe for handling.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity (Aquatic Biotoxicity): This product is in solid state and insoluble in water. Under normal use and handling conditions, it does not release chemicals that exhibit acute or chronic toxicity to fish, water fleas, or algae.

Terrestrial toxicity: No data are currently available on adverse effects of this product on soil organisms (e.g., earthworms).

12.2 Persistence and Degradability Aluminum Foil Layer: Aluminum is a

naturally occurring metallic element. As a backing material, it exhibits exceptional durability and does not biodegrade in natural environments, though it can be recycled through industrial processes.

Butyl rubber layer: Butyl rubber is a high-molecular-weight synthetic polymer with high environmental stability. Its biodegradation rate is extremely slow, and it is considered a non-biodegradable material under natural conditions.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of as non-hazardous industrial waste according to local regulations. The aluminum content may be recyclable in some industrial processes.

SECTION 14: TRANSPORT INFORMATION

DOT / IMDG / IATA: Not Regulated.

Hazard Class: None.

Shipping Name: Aluminum Butyl Tape (Non-Dangerous Goods).

SECTION 15: REGULATORY INFORMATION

Complies with **REACH** and **RoHS** requirements. All components are listed on TSCA (USA) and IECSC (China). Designed to meet outdoor pipeline protection standards.

SECTION 16: OTHER INFORMATION

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

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

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Disclaimer: This SDS is provided as a service to our customers. The information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide.