SAFETY DATA SHEET (SDS)

Visco-Elastic Aluminum-Backed Anti-Corrosion Tape

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Visco-Elastic Aluminum-Backed Tape

Product Composition: Pure Homopolymer PIB compound on heavy-duty aluminum foil.

Recommended Use: Anti-corrosion and UV-shielding for above-ground pipelines, storage tanks, joints, and industrial roofing. Highly effective for vapor barrier and self-healing insulation protection.,Overall Flame Retardancy.

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 a hazardous substance or mixture.

Article Definition: This product is classified as an "Article" under international standards (OSHA HCS, REACH). It does not pose a chemical hazard under normal use.

Physical Hazards:

- **Sharp Edges:** The heavy aluminum foil backing may have sharp edges when cut. Handle with care to avoid skin lacerations.
- **Conductivity:** Aluminum is electrically conductive. Avoid contact with live electrical circuits.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Notes

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Aluminum Foil	7429-90-5	40% -55%	UV barrier & Mechanical protection
Homopolymer Polyisobutylene	9003-27-4	40% -55%	Non-toxic adhesive compound
Aluminum hydroxide (ATH)	21645-51-2	3% -5%	Flame retardant
Inert Inorganic Fillers	Proprietary	5% - 10%	Stability & Rheology control

SECTION 4: FIRST AID MEASURES

Eye Contact: Mechanical irritation from foil scraps. Flush with water for 15 minutes. Seek medical attention if irritation persists.

Skin Contact: If cut by foil edges, treat as a standard minor laceration (clean and bandage). The PIB adhesive is non-toxic and skin-safe.

Inhalation: Not a relevant route of exposure for solid tape.

Ingestion: Not considered toxic. If large quantities are swallowed, seek medical advice.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media: Dry chemical, CO2, or foam. Water spray can be used to cool surrounding containers.

Special Firefighting Procedures: Aluminum foil reflects heat; fire may be intense. At very high temperatures (>600°C), aluminum may react with water to release hydrogen gas. Use standard SCBA for protection against smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Cleanup: Pick up rolls and scraps. Aluminum foil is **recyclable**. Dispose of PIB residue as industrial solid waste. No special environmental precautions required for spills.

SECTION 7: HANDLING AND STORAGE

Handling: **Wear protective gloves (e.g., cut-resistant)** to prevent cuts from the heavy foil edges. Avoid contact with high-voltage sources.

Storage: Store in a cool, dry place away from direct flames. Recommended temperature: 5°Cto 45°C. Keep rolls upright to prevent adhesive "cold flow" at the edges during long-term storage.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No occupational exposure limits established for the solid product.

Personal Protective Equipment (PPE):

- **Hands:** Cut-resistant gloves are highly recommended for handling heavy aluminum foil.
- **Eyes:** Safety glasses when cutting tape or working overhead.
- **Respiratory:** Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Metallic Silver (Foil side) / Blue or Green (Adhesive side)
Physical State	Solid tape in rolls
Odor	Odorless
Water Solubility	Insoluble; Excellent vapor barrier
UV Resistance	Excellent (Reflective Aluminum Layer)
Specific Gravity	1.2 - 1.5 g/cm^3

SECTION 10: STABILITY AND REACTIVITY

Stability: Chemically stable. Does not age or harden.

Incompatibility: Aluminum reacts with strong acids and strong alkalis (bases), which may cause corrosion of the backing and release of hydrogen gas.

Hazardous Decomposition: Carbon oxides may be produced during combustion.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Management: Aluminum is a valuable recyclable material. It is recommended to separate aluminum-rich scraps for recycling where facilities exist. Otherwise, dispose of as non-hazardous industrial waste.

SECTION 14: TRANSPORT INFORMATION

Classification: NOT REGULATED. Safe for land, sea (IMDG), and air (IATA) transport.

SECTION 15: REGULATORY INFORMATION

REACH / RoHS: Compliant. Does not contain Lead, Mercury, or Phthalates. PIB is a safe, non-toxic polymer.

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: 2024-05-22

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge. It is intended as a guide for safe handling, use, and disposal.