

SAFETY DATA SHEET (SDS)

Paintable Visco-Elastic Tape Nonwoven top layer viscoelastic packaging tape

SECTION 1: IDENTIFICATION

Product Name: Paintable Visco-Elastic Tape

Product Type: Cold-applied Preformed Nonwoven Top Layer Viscoelastic Packaging Tape

Technical Description: A composite tape consisting of a paintable nonwoven fabric substrate coated with a non-toxic pure homopolymer polyisobutylene (PIB) compound adhesive.

Recommended Use: Corrosion protection for irregular shapes (valves, flanges, tees) and pipelines where a subsequent aesthetic topcoat (painting) is required.

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 Hazard Classification: NOT CLASSIFIED AS HAZARDOUS.

This product is defined as an "Article" under GHS and OSHA standards. It does not contain hazardous substances intended to be released during normal use.

Physical State: Solid tape with permanent cold-flow properties.

Health Hazards: None expected under normal conditions. The PIB base is inert and non-toxic.

Environmental Hazards: None known. The product is chemically stable and does not leach toxic substances.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Function
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Homopolymer Polyisobutylene (PIB)	9003-27-4	50% - 70%	Visco-elastic Adhesive
Non-Woven Synthetic Fabric	Proprietary	15% - 25%	Paintable Carrier
Inert Mineral Fillers (Non-toxic)	Various	10% - 20%	Reinforcement
Antioxidants / Stabilizers	Proprietary	< 1%	UV/Heat Protection

SECTION 4: FIRST AID MEASURES

Inhalation: Inhalation is not a probable route of exposure for this solid product.

Skin Contact: The adhesive is non-toxic. If residue remains, wash with soap and water. In case of rare allergic reaction, seek medical advice.

Eye Contact: Mechanical irritation only. Flush eyes with water for 15 minutes. If irritation persists, consult a physician.

Ingestion: Product is physiologically inert. If swallowed, do not induce vomiting and seek medical attention as a precaution.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media: Foam, dry chemical, carbon dioxide (CO₂), or water spray.

Fire Hazards: PIB will burn if involved in a sustained fire. Combustion products include Carbon Monoxide (CO) and Carbon Dioxide (CO₂). It does not produce toxic halogenated gases.

Firefighters: Wear standard protective equipment and Self-Contained Breathing Apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special requirements. Tape is non-slip but avoids leaving loose scraps on floors.

Environmental Precautions: Material is insoluble and non-toxic. Prevent waste from entering water systems.

Cleanup: Pick up rolls or scraps and place in containers for disposal as industrial solid waste.

SECTION 7: HANDLING AND STORAGE

Handling: No special safety measures required. Product has permanent "cold flow" properties; avoid excessive pressure on rolls to prevent "telescoping."

Storage: Store in original packaging in a dry, cool area. Recommended storage temperature: 5°C to 40°C. Keep away from direct heat and flame.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: No special ventilation required.

Personal Protective Equipment (PPE):

- **Gloves:** General work gloves are recommended to keep hands clean from the tacky adhesive.
- **Eye Protection:** Not required for manual application.
- **Respiratory:** None required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (Visco-elastic compound on fabric)
Color	Green/Blue/Non-black adhesive
Odor	Odorless to very mild petroleum odor
Water Solubility	Insoluble (Hydrophobic)
Service Temperature	-45°C to +130°C
Specific Gravity	1.15 - 1.45g/cm ³
Paintability	High (Compatible with Acrylic, PU, and Epoxy topcoats)

SECTION 10: STABILITY AND REACTIVITY

Stability: Extremely stable. Does not harden, crack, or peel over time.

Reactivity: Chemically inert. Resistant to most acids, alkalis, and salts.

Conditions to Avoid: Contact with strong organic solvents (which may dissolve the PIB) and temperatures exceeding 200°C.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Pure Homopolymer PIB is non-toxic and used even in food-grade applications.

Skin Irritation: Non-irritating. Hypoallergenic.

Carcinogenicity: No components are listed as carcinogens by IARC, NTP, or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Non-toxic to aquatic and terrestrial organisms.

Biodegradability: The PIB and synthetic fabric are not biodegradable but are environmentally neutral.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of as non-hazardous industrial solid waste in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT / IMDG / IATA: NOT REGULATED. No special labeling or documentation required for transport.

SECTION 15: REGULATORY INFORMATION

REACH / TSCA: All ingredients are compliant and listed.

Special Status: Solvent-free and VOC-free product.

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 to summarize the safety and health aspects of the product. The information is based on our current knowledge of the ingredients. Shandong Quanmin Plastic Co., Ltd. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.