

SAFETY DATA SHEET (SDS)

Self-Fusing Butyl & PIB Corrosion Protection Tape

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Self-Fusing Butyl/PIB Tape

Trade Name: Self-Amalgamating Tape, 100% Solid Rubber Tape

Recommended Use: Corrosion protection for field-welded joints of steel pipes. Ideal for small-diameter pipelines, tees, elbows, valves, and fittings. Also used for moisture-sealing and insulation of electrical cables and telecommunication joints.

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.

General Information: This product is an "Article" as defined by international standards. It is a 100% solid material that does not release hazardous chemicals under normal conditions of use.

Physical State: Solid tape with a removable release liner. Non-flammable at ambient temperatures but will burn if involved in a fire.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Butyl Rubber	9003-27-4	40% - 60%
Polyisobutylene (PIB)	9003-27-4	20% - 35%

Chemical Name	CAS No.	Weight %
Carbon Black (UV Stabilizer)	1333-86-4	2% - 5%
Inert Fillers & Tackifiers	Proprietary	10% - 20%

SECTION 4: FIRST AID MEASURES

- **Skin Contact:** No irritation expected. To remove adhesive, use baby oil or a mild solvent-free skin cleaner.
- **Eye Contact:** Physical contact only. Flush with water for 15 minutes.
- **Inhalation:** Not applicable (no fumes or VOCs).
- **Ingestion:** Not a probable route of exposure. Seek medical attention if swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water fog, Dry Chemical, Carbon Dioxide (CO₂), Foam.

Special Hazards: When burned, the product produces dense black smoke containing carbon monoxide and carbon dioxide.

Firefighting PPE: Wear self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear standard work clothes and protective gloves.

Environmental Protection: Prevent waste from entering sewers or natural water bodies.

SECTION 7: HANDLING AND STORAGE

Handling: Wear work gloves. For optimal self-fusing performance, apply the tape under tension (stretch 50%-100%) and overlap by 50%.

Storage: Store in original cartons, preferably in a dry, dust-free environment. Keep away from direct heat and sunlight. **Shelf Life:** Minimum 2 years when stored at **+5°C to +35°C**.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: None required for field application.

PPE:

- **Hand Protection:** General work gloves to prevent skin sticking.
- **Eye Protection:** Standard safety goggles recommended.
- **Respiratory:** Not required (100% Solid).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	Black, rubbery solid tape (on a release liner)
Odor	Negligible
Fusing Property	Amalgamates to itself within 24 hours at 20 撈 C
Specific Gravity	1.10 - 1.25 g/cm ³
Solubility in Water	Insoluble
Volatile Organic Compounds	0% (VOC Free)
Dielectric Strength	> 15 kV/mm (Excellent for cable insulation)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions. The self-fusing reaction is a physical amalgamation and not a chemical cure.

Avoid: Contact with oils, grease, and hydrocarbon solvents which will degrade the rubber mass.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: No known toxicity. **Skin:** Non-irritating under normal use. **Carcinogenicity:** Ingredients are not listed as carcinogens by IARC.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradability: Non-biodegradable; persists in the environment. **Mobility:** Solid form, non-volatile, insoluble in water; minimal impact on soil and water quality.

SECTION 13: DISPOSAL CONSIDERATIONS

Method: Disposal via incineration or secured landfill by licensed waste treatment facilities. Observe local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (USA) / ADR (Europe) / IMDG / IATA: NOT REGULATED.

This product is classified as non-hazardous for all modes of international transportation.

SECTION 15: REGULATORY INFORMATION

Designed and manufactured to comply with:

- **ASTM D4388:** Standard Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes.
- **ISO 21809-3:** Field joint coatings for buried pipelines.
- **EN 12068:** External organic coatings for the corrosion protection of steel pipelines.

REACH (SVHC) Compliant. Does not contain Lead, Mercury, or Cadmium.

SECTION 16: OTHER INFORMATION

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

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

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Disclaimer: The data provided is based on typical properties and is for information purposes only. Shandong Quanmin Plastic Co., Ltd. makes no warranties, expressed or implied, regarding the use of this product in specific field conditions.