

SAFETY DATA SHEET (SDS)

Non-Curing Butyl Rubber Mastic Filler Tape

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Butyl Rubber Mastic Filler (Profiling Mastic)

Recommended Use: Specially designed for sealing and filling transition areas around T-joints, elbows, valves, irregular pipe shapes, welded joints, and socket joints. Used to fill pitting/perforations and provide a smooth profile for subsequent over-wrapping with anti-corrosion tapes.

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.

Article Status: This product is considered an "Article" (solid material). It does not present a health or physical hazard under normal conditions of use. It is 100% solids and contains no volatile organic compounds (VOCs).

Potential Health Effects:

- **Skin:** Highly tacky material; may cause slight temporary irritation to sensitive skin.
- **Eyes:** Physical contact may cause irritation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %
Butyl Rubber	9003-27-4	25% - 45%
Polyisobutylene (PIB)	9003-27-4	10% - 20%

Component	CAS No.	Weight %
Inert Mineral Fillers (Calcium Carbonate)	471-34-1	35% - 40%
Carbon Black (Stabilizer)	1333-86-4	1% - 5%

SECTION 4: FIRST AID MEASURES

- **Skin Contact:** Not hazardous. To remove adhesive residue, use mineral oil or a citrus-based cleaner, then wash with soap and water.
- **Eye Contact:** Flush with water. If irritation persists, seek medical attention.
- **Ingestion:** Not a typical route of exposure. If ingested, do not induce vomiting and seek medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, Carbon Dioxide (CO₂), foam, or water mist.

Specific Hazards: Combustion produces dense black smoke, Carbon Monoxide (CO), Carbon Dioxide (CO₂), and minor hydrocarbons.

Firefighting Notes: Firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing. Stay upwind.

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 gloves to prevent sticking to hands. The material is designed to be hand-moldable (plasticity). Ensure surfaces are clean and dry before application.

Storage: Store in original packaging to avoid dust accumulation on the tacky surface. Keep in a cool, dry place away from direct heat. **Non-curing property:** This material will remain soft and moldable indefinitely if stored correctly. Recommended storage: 0 to 45 °C.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Not required. 100% solids, no fumes.

PPE:

- **Gloves:** Disposable nitrile or cloth gloves are recommended to handle the tacky mastic.
- **Eyes:** Standard safety glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid, Mastic/Putty-like strip
Color	Black
Odor	Negligible
Solubility	Insoluble in water; Soluble in hydrocarbons
Solids Content	100% (VOC Free)
Flash Point	> 250°C
Service Temperature	-40 °C to +85°C

SECTION 10: STABILITY AND REACTIVITY

Stability: Chemically stable. Does not harden, crack, or peel (Non-curing).

Incompatibility: Avoid contact with strong oxidizing agents and liquid hydrocarbons (gasoline, toluene) which will dissolve the mastic.

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 / IMDG / IATA: NOT REGULATED.

This product is not classified as hazardous for transport. It can be shipped worldwide as a general industrial sealing compound.

SECTION 15: REGULATORY INFORMATION

Complies with the following international pipeline coating standards for filling and profiling:

- **ISO 21809-3:** External coatings for buried or submerged pipelines (Field Joint Coating).
- **AWWA C209:** Cold-Applied Tape Coatings for Special Sections and Fittings.
- **EN 12068:** Profiling and Filling materials for pipeline protection.

Ingredients are REACH and TSCA compliant.

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: This information is based on current knowledge. It is intended to describe the product for the purposes of health, safety, and environmental requirements only.