

# SAFETY DATA SHEET (SDS)

In accordance with GHS (Globally Harmonized System) and ISO 11014-1

**Product: 3-Ply Inner Wrap PE Tape**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

**Product Name:** 3-Ply Inner Wrap PE Tape.

**Alternative Name:** Innerwrap Tape, Cold-Applied Tape (Inner Layer)

**Recommended Use:** Primary anti-corrosion protective coating for buried or underwater steel pipelines. It must be used in conjunction with solvent-based butyl primer and outer protective wrapping materials.

**Supplier Name:** 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 according to GHS.

**Physical Hazards:** None under normal use. The product is a solid tape.

**Health Hazards:** Not expected to be an irritant under normal handling.

**Environmental Hazards:** Not classified as dangerous for the environment.

**Label Elements:** None required (No pictograms).

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

This product is classified as an 'article' under the U.S. Occupational Safety and Health Administration (OSHA) definition, comprising polyethylene (intermediate enhancement layer) and butyl rubber-based adhesive.

Chemical Name	CAS No.	Weight %
Polyethylene (intermediate enhancement layer)	9002-88-4	25% - 30%
Butyl Rubber / Adhesive Blend	9010-85-9	75% - 85%
Carbon Black (Pigment)	1333-86-4	1% - 5%
Antioxidants/Stabilizers	Proprietary	< 1%

#### SECTION 4: FIRST AID MEASURES

- **Inhalation:** Unlikely due to physical form. If exposed to fumes from overheating, move to fresh air.
- **Skin Contact:** Generally non-irritating. If adhesive sticks to skin, use mineral oil or soap and water to remove. Do not use solvents.
- **Eye Contact:** Flush with water if particles enter eyes. Seek medical attention if irritation persists.
- **Ingestion:** Not a likely route of exposure. If ingested, do not induce vomiting; seek medical advice.

#### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Water spray, Foam, Carbon Dioxide (CO<sub>2</sub>), Dry Chemical.

**Firefighting Procedures:** Wear self-contained breathing apparatus (SCBA) and full protective clothing.

**Unusual Hazards:** Product will burn if exposed to flame. Decomposition may release carbon monoxide, carbon dioxide, and irritating smoke.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** None required under normal conditions.

**Environmental Precautions:** Prevent waste from entering sewers or waterways.

**Cleanup:** Pick up rolls or scraps manually and place in a suitable container for disposal.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Wear gloves to prevent sticky residue on hands. Ensure adequate ventilation if using heat-shrink methods.

**Storage:** Store in a cool, dry, well-ventilated warehouse. Keep away from direct sunlight, sparks, and open flames. Recommended storage temperature: -5°C to +45°C.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** Not applicable for solid tape.

**Engineering Controls:** General ventilation is usually sufficient.

### Personal Protective Equipment (PPE):

- **Eyes:** Safety glasses if cutting or grinding.
- **Skin:** Protective gloves (e.g., cotton or nitrile) are recommended to avoid adhesive contact.
- **Respiratory:** Not required under normal use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid (Tape on rolls)

**Color:** Black

**Odor:** Slight rubbery odor

**Solubility in Water:** Insoluble

**Melting Point (PE):** > 100°C

**Flash Point:** > 250°C

**Specific Gravity:** 1.0 - 1.25g/cm<sup>3</sup>

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Temperatures above 200°C, open flames.

**Incompatibility:** Strong oxidizing agents, organic solvents.

**Hazardous Decomp:** Carbon Monoxide and various hydrocarbons during combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Non-toxic.

**Skin/Eye Irritation:** Non-irritating under normal use.

**Carcinogenicity:** Carbon black is encapsulated in the polymer matrix and does not pose a respiration hazard.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No known significant effects or critical hazards.

**Persistence:** The product is not biodegradable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose of in accordance with local, state, and federal regulations. Typically can be disposed of in a managed landfill as non-hazardous solid waste.

## SECTION 14: TRANSPORT INFORMATION

<b>DOT (USA)</b>	Not Regulated
<b>IMDG (Sea)</b>	Not Regulated

IATA (Air)	Not Regulated
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*Note: Not classified as a dangerous good for transport.*

## SECTION 15: REGULATORY INFORMATION

- **TSCA:** All components are listed or exempted.
- **REACH:** Product is considered an "Article" and is exempt from registration.
- **RoHS:** Compliant (No lead, mercury, or cadmium).

## SECTION 16: OTHER INFORMATION

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

**Note to User:** This SDS is specifically for the Inner Layer tape. For mechanical protection, an Outer Layer tape should be applied over this product.

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

**Revision Date:** May 26, 2025

**Disclaimer:** The information provided in this SDS is correct to the best of our knowledge at the date of its publication. It is designed only as a guidance for safe handling, use, processing, storage, and disposal and is not to be considered a warranty or quality specification.