

# SAFETY DATA SHEET (SDS)

## NON-WOVEN POLYPROPYLENE (PP) GEOTEXTILE BLANKET

In Compliance with GHS (Rev. 9) & OSHA HCS 29 CFR 1910.1200

### SECTION 1: IDENTIFICATION

<b>Product Name</b>	Nonwoven polypropylene geotextile blanket/felt
<b>Product Description</b>	Non-adhesive, felt-like non-woven fabric made of polypropylene fibers.
<b>Recommended Use</b>	Mechanical protection and stress redistribution for buried pipelines, fittings, and facilities. Designed to decoupling coating from soil stress.
<b>Address</b>	North of Shengli Oil Extraction Plant Tuo Si Joint Station, Dongying City, Shandong Province, China.
<b>Manufacturer</b>	Shandong Quanmin Plastic Co., Ltd.
<b>Emergency call</b>	+86-546-8740309

### SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** Not classified as hazardous. This product is an "**Article**" under OSHA and REACH definitions and does not require a hazard warning label.

**Physical Hazards:** Non-reactive solid. Stable under normal use.

**Health Hazards:**

- **Skin Contact:** No known irritation. Polypropylene is physiologically inert.
- **Eye Contact:** Mechanical irritation may occur from fibers/dust during cutting.
- **Inhalation:** Not a likely route of exposure for solid fabric.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight (%)
Polypropylene (PP)	9003-07-0	> 98%

Component	CAS No.	Weight (%)
Stabilizers / Processing Aids	Proprietary	< 2%

## SECTION 4: FIRST AID MEASURES

- **Eye Contact:** If fibers enter eyes, rinse with water. Seek medical attention if irritation persists.
- **Skin Contact:** Not applicable for normal handling. Wash with soap and water if needed.
- **Inhalation:** If dust is generated during high-speed cutting and inhaled, move to fresh air.
- **Ingestion:** Not toxic. Seek medical advice if large amounts are ingested.

## SECTION 5: FIREFIGHTING MEASURES SECTION 05

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

**Hazards:** High heat will cause the material to melt. Combustion releases Carbon Oxides (CO, CO<sub>2</sub>).

**PPE:** Firefighters should wear standard protective gear and SCBA.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Cleanup:** This is a solid textile. Scraps and trimmings should be collected and placed in a waste or recycling container to prevent tripping hazards.

## SECTION 7: HANDLING AND STORAGE

**Handling:** No special precautions. Use appropriate tools for cutting and avoid breathing dust from power tools.

**Storage:** Store in a dry area away from heat, sparks, and open flames. While resistant to many conditions, protect from long-term UV exposure (direct sunlight) during storage to maintain optimal fiber strength.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls</b>	General ventilation is adequate.
<b>Respiratory Protection</b>	Use a dust mask if cutting the material generates significant airborne fibers.
<b>Hand Protection</b>	Work gloves are recommended to avoid friction burns/abrasion during manual wrapping.
<b>Eye Protection</b>	Safety glasses recommended during installation and cutting.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Non-woven Felt / Fabric	<b>Color</b>	White / Gray / Black
<b>Odor</b>	Odorless	<b>Melting Point</b>	160°C - 170°C
<b>Water Solubility</b>	Insoluble	<b>Stretch / Elongation</b>	Extremely Low
<b>Adhesion</b>	Non-adhesive	<b>Specific Gravity</b>	0.90 - 0.92 g/cm <sup>3</sup>

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Highly stable. Resistant to rot, mildew, and soil chemicals.

**Soil Stress Performance:** Specially designed to move independently from the pipe coating, redistributing soil stress to prevent mechanical damage to the primary anti-corrosion layer.

**Incompatibility:** Strong oxidizing agents.

## SECTION 11: TOXICOLOGICAL INFORMATION

**General Overview:** Nonwoven polypropylene geotextile blanket/felt is a nonwoven material composed of polypropylene fibers, with a physical form of a solid felt-like structure formed by continuous or short fiber interweaving. Under normal industrial usage conditions, this product is considered a biologically inert material and does not classify as a toxic substance.

## SECTION 12: ECOLOGICAL INFORMATION

**Environmental Impact:** The product is chemically inert. It does not contain CFCs or heavy metals. It is not biodegradable but is considered environmentally safe for burial.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** This material is 100% recyclable (Polypropylene). Disposal should be in accordance with local regulations for non-hazardous industrial waste.

## SECTION 14: TRANSPORT INFORMATION

**DOT / IMDG / IATA:** NOT REGULATED. This product is not classified as a dangerous good for transport.

## SECTION 15: REGULATORY INFORMATION

- **TSCA:** All ingredients listed on the TSCA inventory.
- **REACH:** Compliant. Does not contain SVHC substances.
- **Functionality:** Provides mechanical protection for underground coatings, fittings, and facilities in demanding soil conditions.

## 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:** May 22, 2024

This information is given in good faith and is based on our current knowledge. It is the user's responsibility to determine the suitability of the product for their specific application.