

SAFETY DATA SHEET (SDS)

According to GHS and OSHA Hazard Communication Standard 29 CFR 1910.1200

Document No: WSS-01
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1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name	2 Laye-Primerless Wraparound Sleeves (Low Pre-heat Primerless Wrap-around Heat Shrinkable Sleeve)
Product Construction	Radiation Cross-linked HDPE Backing with Low Pre-heat Mastic Adhesive
Intended Use	It provides anti-corrosion protection for the circumferential welds of steel pipelines used for water, gas, and oil distribution and transportation.
Compatibility	Suitable for steel, ductile iron, and factory-applied coatings (PE, PP, FBE).
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

2. HAZARDS IDENTIFICATION

GHS Classification: Not classified as hazardous under solid form.

IMPORTANT SAFETY NOTICE:

- **Thermal Burns:** During heat application (installation), the adhesive and backing reach temperatures $>120^{\circ}\text{C}$. Contact with molten material will cause severe thermal burns.
- **Decomposition Fumes:** Overheating with a propane torch may release carbon monoxide, carbon dioxide, and irritating organic vapors.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS Number	Concentration (wt%)
Radiation Cross-linked High-Density Polyethylene	25087-34-7 / 9002-88-4	55% - 65%
Modified Polyolefin Adhesive (Low Pre-heat Mastic)	Proprietary Blend	35% - 45%
Carbon Black (as UV Stabilizer)	1333-86-4	1% - 2%
Antioxidants/Process Stabilizers	Proprietary	< 1%

4. FIRST AID MEASURES

- **Skin Contact (Molten Material):** Immediately cool the affected area with cold water or ice. **DO NOT** attempt to peel the solidified adhesive from the skin, as it may tear the flesh. Seek medical attention immediately for thermal burns.
- **Inhalation:** If fumes from overheating cause irritation, move the person to fresh air. If symptoms persist, consult a physician.
- **Eye Contact:** Flush with copious amounts of water for 15 minutes. If irritation occurs, seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, Foam, Dry Chemical, or CO₂.

Specific Hazards: Like most plastic materials, this product will burn if ignited. Combustion products include carbon oxides and various hydrocarbons.

Protective Equipment: Firefighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

This product is a solid article. No specific release measures are required. Dispose of scraps as solid industrial waste.

7. HANDLING AND STORAGE

- **Handling:** Use appropriate PPE during installation. Ensure the workplace is ventilated when using propane torches.

- **Storage:** Store in a cool, dry, well-ventilated area. Keep away from direct sunlight and heat sources. Recommended storage temperature: **-10°C to 40°C**. Avoid crushing the rolls to maintain the integrity of the low-preheat adhesive.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	General ventilation is usually sufficient. Use local exhaust in confined spaces during torch application.
Hand Protection	Mandatory: Heavy-duty heat-resistant gloves (e.g., leather or Kevlar) during installation.
Eye Protection	Safety glasses with side shields or goggles.
Skin Protection	Long-sleeved work clothing to prevent accidental contact with hot surfaces or molten adhesive.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid wrap-around sleeve	Color	Black (Backing)
Odour	Negligible	Softening Point	Approx. 85°C - 100°C
Shrink Temperature	> 115°C	Specific Gravity	0.93 - 1.15 g/cm ³
Water Solubility	Insoluble	Low Pre-heat Req.	Approx. 60°C - 70°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Incompatibility: Strong oxidizing agents and strong acids.

Hazardous Decomposition: Does not decompose at ambient temperatures. Above 250°C, decomposition begins releasing smoke and irritants.

11. TOXICOLOGICAL INFORMATION

This product is considered an "Article" and is non-toxic under normal use. Carbon black is encapsulated within the polymer matrix and does not pose an inhalation risk.

12. ECOLOGICAL INFORMATION

Polyethylene is environmentally inert and not biodegradable. The adhesive is water-insoluble. Do not dispose of in the natural environment.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and national regulations. This material can generally be disposed of in a licensed industrial landfill.

14. TRANSPORT INFORMATION

DOT / IMDG / IATA: Not regulated as a hazardous material for transport.

15. REGULATORY INFORMATION

- **TSCA:** All ingredients are listed or exempt.
- **REACH/RoHS:** Compliant with European Union environmental standards.
- **SARA 313:** Does not contain chemicals subject to SARA Title III Section 313 reporting.

16. OTHER INFORMATION

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

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

Statement : *The information provided in this SDS is based on our current knowledge. It is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.*