

SAFETY DATA SHEET (SDS)

Synthetic Roofing Underlayment / Breathable Housewrap / Building Envelope Membrane

Item	Information
Product name	KOSITE Synthetic Roofing Underlayment / Breathable Housewrap
SDS version	1.2 - Customer download edition
Revision date	July 21, 2026
Manufacturer	PT KOSITE NEW MATERIALS
Address	Kendal Industrial Park, Central Java, Indonesia
Technical information	baolin.wan@kosite-nonwoven.com
Emergency / information phone	+62 823 2673 4682
Recommended use	Building-envelope protection, moisture management, wall wrap, housewrap and roofing underlayment.
Restrictions on use	Not intended for food contact, medical implantation or use as personal protective equipment. Avoid open flame and excessive heat.

SECTION 1: IDENTIFICATION

This SDS covers solid roll goods composed primarily of polypropylene non-woven fabric and polyethylene coating or film layers used for roofing and wall-protection applications.

SECTION 2: HAZARD IDENTIFICATION

Item	Information
GHS classification	Not classified as hazardous under normal conditions of use according to the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Signal word	Not applicable.
Hazard statements	No known significant hazards under recommended storage, handling and installation conditions.
Physical appearance	Solid rolls of non-woven / laminated fabric.
Potential health effects	No significant health effects expected during normal handling. Fumes from overheating, burning or thermal decomposition may irritate eyes and respiratory tract.
Other hazards	Molten polymer may cause thermal burns. Product may burn when exposed to open flame.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Typical Weight %
Polypropylene (PP)	9003-07-0	85-95%
Polyethylene (PE) / coating or film layer	9002-88-4	5-15%

Component	CAS Number	Typical Weight %
Non-hazardous additives / color masterbatch / stabilizers	Proprietary	<2%

Exact formulation may vary by GSM, color, coating, UV package, printing or customer specification. Components are not expected to present a hazard in solid article form.

SECTION 4: FIRST-AID MEASURES

Item	Information
Inhalation	No exposure expected under normal use. If fumes from overheating or fire are inhaled, move to fresh air and seek medical attention if symptoms persist.
Skin contact	No known irritation from normal contact. Wash with soap and water if irritation occurs. For molten material contact, cool immediately with water and seek medical attention; do not remove solidified polymer from skin.
Eye contact	Rinse cautiously with clean water as a precaution. Seek medical advice if irritation persists.
Ingestion	Not a likely route of exposure. If accidentally ingested, rinse mouth and seek medical advice if discomfort occurs.
Most important symptoms	Thermal decomposition fumes may cause temporary eye, nose or throat irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Item	Information
Suitable extinguishing media	Water spray, dry chemical, carbon dioxide (CO ₂) or foam.
Specific hazards	Product may melt, drip and burn when exposed to fire. Thermal decomposition may generate carbon monoxide, carbon dioxide, smoke and irritating fumes.
Protective equipment	Firefighters should wear self-contained breathing apparatus and full protective gear if necessary.
Fire prevention	Keep away from open flames, sparks, hot work and ignition sources during storage and installation.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Item	Information
Personal precautions	No special precautions required for solid material. Avoid creating trip hazards with rolls or scrap material.
Environmental precautions	Prevent large quantities of scrap from entering drains or waterways. Product is not known to be chemically hazardous to the environment.
Clean-up methods	Pick up, sweep up or collect scrap material and place in suitable containers for reuse, recycling or disposal.

SECTION 7: HANDLING AND STORAGE

Item	Information
Handling	Use normal industrial hygiene practices. Avoid open flame, extreme heat and unnecessary dust or smoke exposure during cutting, welding or nearby hot work.

Item	Information
Storage	Store rolls in a dry, cool, well-ventilated area. Protect from direct sunlight, UV exposure, rain and ignition sources. Keep packaging intact until use.
Incompatible materials	Strong oxidizing agents and direct flame.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Item	Information
Exposure limits	No occupational exposure limits established for the solid article under normal use.
Engineering controls	General ventilation is adequate under normal handling. Use local ventilation if material is overheated, burned or thermally processed.
Eye / face protection	Safety glasses are recommended during cutting, installation or handling of rolls.
Skin protection	Work gloves are recommended to avoid cuts, abrasions or handling discomfort.
Respiratory protection	Not normally required. Use appropriate respiratory protection if fumes or smoke are generated from overheating or fire.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Item	Information
Appearance	Solid non-woven / laminated fabric rolls.
Color	White, black, grey, blue or customized.
Odor	Odorless to slight polymer odor.
Melting point	Approximately 160-170 degrees C for PP component; PE component may soften at lower temperatures depending on grade.
Boiling point / flash point	Not applicable for solid article.
Solubility in water	Insoluble.
Specific gravity	Approximately 0.90-0.95 for polymer components.
Decomposition temperature	Thermal decomposition may occur above approximately 250 degrees C (482 degrees F).

SECTION 10: STABILITY AND REACTIVITY

Item	Information
Reactivity / stability	Not reactive under normal storage and handling conditions. Stable under recommended conditions.
Hazardous reactions	No hazardous polymerization expected.
Conditions to avoid	Open flame, sparks, excessive heat and temperatures above approximately 250 degrees C (482 degrees F).
Hazardous decomposition products	Carbon monoxide, carbon dioxide, smoke and irritating organic decomposition products during fire or overheating.

SECTION 11: TOXICOLOGICAL INFORMATION

The product is an inert solid article under normal use. No known toxicological effects are expected from normal handling or installation. Thermal decomposition fumes may cause temporary irritation to the eyes and respiratory tract.

SECTION 12: ECOLOGICAL INFORMATION

The product is not expected to be chemically hazardous to the environment in solid form. Avoid uncontrolled release of waste or scrap. Polymer materials may persist in the environment if not properly collected and disposed of.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local, regional, national and international regulations. Clean scrap may be recyclable where suitable facilities exist. Do not burn in uncontrolled conditions.

SECTION 14: TRANSPORT INFORMATION

Item	Information
UN number	Not regulated.
Proper shipping name	Not regulated as dangerous goods.
Transport hazard class / packing group	Not applicable.
Environmental hazards	Not classified as a marine pollutant.
Special precautions	Protect rolls from moisture, crushing, direct sunlight and heat during transport.

SECTION 15: REGULATORY INFORMATION

This product is not classified as hazardous under normal conditions of use according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Users are responsible for confirming compliance with applicable laws and regulations in the country or region of use.

SECTION 16: OTHER INFORMATION

Item	Information
Prepared by	PT KOSITE NEW MATERIALS
Revision note	Version 1.2 updates customer-download contact information and document control.
Disclaimer	The information in this SDS is provided in good faith based on currently available information and applies to the product as supplied. It is not a warranty of product performance or suitability for any specific application. The user is responsible for safe handling and compliance with applicable regulations.

This SDS is provided for industrial/commercial use of solid building-envelope roll goods. Users should verify suitability for their specific application and jurisdiction.