

SAFETY DATA SHEET (SDS)**Synthetic Roofing Underlayment / Breathable Housewrap / Building Envelope Membrane**

Product Name	KOSITE Synthetic Roofing Underlayment / Breathable Housewrap
Revision Date	June 4, 2026
SDS Version	1.1 - Revised professional format
Manufacturer	PT KOSITE NEW MATERIALS
Address	Kendal Industrial Park, Central Java, Indonesia
Emergency / Information Phone	+62 823 2673 4682
Recommended Use	Building envelope protection, moisture barrier, wall wrap, housewrap, and roofing underlayment.
Restrictions on Use	Not intended for food contact, medical implantation, or use as personal protective equipment. Avoid exposure to open flame or excessive heat.

SECTION 1: IDENTIFICATION

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

SECTION 2: HAZARD IDENTIFICATION

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%
Non-hazardous additives / color masterbatch / stabilizers	Proprietary	< 2%

Note: Exact formulation may vary depending on 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

Inhalation	No exposure expected under normal use. If fumes from overheating or fire are inhaled, move person 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

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.

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Fire Prevention	Keep away from open flames, sparks, hot work, and ignition sources during storage and installation.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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

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

Appearance	Solid non-woven / laminated fabric rolls.
Color	White, black, grey, blue, or customized.
Odor	Odorless to slight polymer odor.
Melting Point	Approx. 160°C - 170°C for PP component; PE component may soften at lower temperatures depending on grade.
Boiling Point	Not applicable.
Flash Point	Not applicable for solid article.
Solubility in Water	Insoluble.
Specific Gravity	Approx. 0.90 - 0.95 for polymer components.
Decomposition Temperature	Thermal decomposition may occur above approx. 250°C (482°F).

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive under normal storage and handling conditions.
Chemical Stability	Stable under recommended conditions.
Possibility of Hazardous Reactions	No hazardous polymerization expected.
Conditions to Avoid	Open flame, sparks, excessive heat, and temperatures above approx. 250°C (482°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

UN Number	Not regulated.
Proper Shipping Name	Not regulated as dangerous goods.
Transport Hazard Class	Not applicable.
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

Prepared By	PT KOSITE NEW MATERIALS
Revision Note	Revised layout and expanded SDS sections for building envelope roll goods.
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.