

SAFETY DATA SHEET



SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Asphalt Rolled Roofing
SDS NUMBER 309
PRODUCT DESCRIPTION: Self-Adhesive SBS Modified Bituminous Non-Reinforced Underlayment
CHEMICAL FAMILY: Mixture
PRODUCT USE: Weatherproofing
TRADE NAME (S): LeakBarrier® ReflectPlus
MANUFACTURER: Tarco
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SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Overview All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, the product listed in this SDS is not expected to pose a physical hazard or health risk to humans. This product does not contain any form of asbestos materials.

Prevention Avoid breathing dust, fumes, gas, mist, vapors, and/or spray.

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Route of Exposure Inhalation, Skin, Eye, Ingestion

POTENTIAL HEALTH EFFECTS:

Inhalation Not expected under normal conditions of use. However, extreme exposures to dust and fumes may cause upper respiratory irritation.

Skin Not expected under normal conditions of use. Repeated contact may cause skin irritation due to roughness of product. Redness, drying and cracking of the skin (dermatitis) may occur following prolonged and repeated contact. Prolonged or repeated skin contact could result in absorption of hazardous components.

Ingestion Not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Eyes Not expected under normal conditions of use. If dust enters eye, may cause irritation resulting in tearing, stinging, redness or swelling.

Carcinogenicity When used under normal conditions, this product is not considered a carcinogen.

HAZARD RATING (NFPA)

HEALTH	1	
FLAMMABILITY	1	
REACTIVITY	0	
SPECIAL NOTICE	-	

HAZARD RATING (HMIS®)

HEALTH	1	
FLAMMABILITY	1	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

NFPA – National Fire Protection Association

HMIS® is a registered trademark of the American Coatings Association

Degree of Hazard

0 - Minimal (Insignificant)

1 - Slight

2 - Moderate

3 - Serious (High)

4 - Severe (Extreme)

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS NUMBER	PERCENT BY WEIGHT
Asphalt	Asphalt Flux	8052-42-4	50 - 80
Styrene-Butadiene-Styrene	SBS Rubber	9003-55-8	5 - 25
Petroleum Hydrocarbon Resin	Resin	68527-25-3	0.3 - 3
Mineral Oil	Oil	64741-96-4	0.3 - 3
Calcium Carbonate	Limestone	1317-65-3	5 - 26
Titanium dioxide	Pigment	13463-67-7	0.1 - 5
Aluminum	Foil	7429-90-5	0.2 - 5
Polyester	Poly Film	NA	0.2 - 8
Polyethylene	Poly Film	9002-88-4	1.4 - 9
Polypropylene	Poly Film	9003-07-0	0.3 - 3

Note:

NA = Not Available

NE = Not Established

SECTION 4 – FIRST AID MEASURES**INHALATION**

If product is heated, exposure to fumes, vapors, or mists may cause irritation of the nose and throat. Drink water to clear throat or blow nose to clear. Use of product in properly ventilated areas is not expected to cause adverse effects. Remove to fresh, uncontaminated air. Give artificial respiration and/or oxygen by trained personnel, if necessary and get immediate medical attention.

SKIN

Remove contaminated clothing and wash exposed skin with soap and water. If irritation develops or persists, seek medical attention. If contacted by hot asphalt, cool with ice or water; do not attempt to remove the asphalt material immediately; seek medical attention.

INGESTION	If product is ingested, do not induce vomiting. If vomiting occurs, keep head lower than hips to avoid aspiration of vomit into the lungs, which can cause inflammation or pneumonitis. Get immediate medical attention.
EYES	If material comes into contact with the eyes, immediately flush with plenty of cool water for at least 20 minutes preferably at an eye wash fountain or until irritation subsides, occasionally lifting the eye lids to ensure thorough rinsing. If irritation develops or persists, seek medical attention.
NOTES TO PHYSICIANS/ FIRST AID PROVIDERS	Treatment must be based on removing the source of irritation with treatment of symptoms as necessary. Water-Jel products have been shown to be effective in removing asphalt.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Water spray, Foam, Carbon Dioxide, Dry Chemical.
UNSUITABLE- EXTINGUISHING MEDIA	No data available
HAZARDOUS COMBUSTION- PRODUCTS	Carbon Dioxide, Carbon Monoxide. If burned, the material could release toxic fumes and smoke.
FIRE FIGHTING- PROCEDURES	Combustible. Avoid breathing fumes. Use extinguishing measures that are appropriate to local circumstances and surrounding environment.
FIRE FIGHTER PROTECTION	Firefighters should not enter confined space without wearing NIOSH-approved self-contained breathing apparatus with full face mask and protective equipment.
UNUSUAL FIRE AND- EXPLOSION HAZARDS	When heated, fumes may burn if ignition source is provided. Burning the products will yield thick, black smoke. Petroleum asphalt fumes can explode if emitted in an enclosed environment and supplied with an ignition source. Removal of release liner may create a static electric discharge (sparks). Do not remove where sparks may ignite flammable vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Not applicable
EMERGENCY PROCEDURES	Not applicable
ENVIRONMENTAL- PRECAUTIONS	No data available
CLEAN-UP PROCEDURES	Pick up large pieces. Vacuum dust. If sweeping is necessary, avoid creating dusts by using a dust suppressant such as water. This will help to minimize potential exposures.
WASTE DISPOSAL METHOD	Scoop up material and dispose in accordance with Federal, State, and local regulations. Do not burn.

SECTION 7 – HANDLING AND STORAGE

HANDLING PROCEDURES	Use this product with adequate ventilation. When handling uncontained material, use personal protective equipment as described in Section 8 of this SDS. Do not remove release liner where sparks may ignite flammable vapors. Release liners are slippery. Remove from work area immediately.
STORAGE PROCEDURES	Store material in accordance with instructions on the product packaging, if any. Material should be kept clean, dry, and in original packaging. Keep this product away from heat, sparks, ignition sources, and open flames in accordance with applicable laws and regulations.

SPECIAL PACKAGING-MATERIALS

No data available

INCOMPATIBLE MATERIALS

This product will react with strong oxidizing agents, reducing agents, strong acids and alkalis.

OTHER PRECAUTIONS

Do not breathe dusts or fumes generated from cutting or heating this material. Comply with OSHA and other safety standards and codes for roof work. Always use Fall Protection Systems when working on roofs. Product may be slippery when wet, dusty or covered with water, ice, dew, frost, or snow.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**PERSONAL PROTECTIVE EQUIPMENT:****RESPIRATORY-PROTECTION**

Not needed under normal use conditions. If exposure limits are exceeded, use a NIOSH approved respirator. Follow all applicable respirator use, fitting, and training standards and regulations.

EYES/FACE PROTECTION

Safety glasses with side shields are recommended

HANDS PROTECTION

Leather or cotton gloves recommended when handling to protect against mechanical abrasion. Promptly clean hands with waterless hand cleaner, clean fingernails and wash with soap and water after handling.

SKIN/BODY PROTECTION

Normal work clothing (long sleeved shirts, long pants, and non-skid shoes or boots with 6-inch leather uppers) is recommended during application and/or tear-off activities.

OTHER PROTECTIVE-EQUIPMENT

Should be provided as necessary to prevent irritation of the throat, eyes, and skin and to keep exposures below the applicable exposure limits identified in this section.

WORK HYGIENE-PRACTICES

Use good industrial hygiene practices when handling the material. Wash exposed skin prior to eating, drinking or smoking and at the end of the shift. Wash work clothes separately from other clothing.

EXPOSURE GUIDELINES

Handle using methods and techniques that minimize dust or fume generation.

ENGINEERING CONTROLS/VENTILATION

Not needed under normal conditions of use.

CHEMICAL NAME	COMMON NAME	CAS NUMBER	EXPOSURE LIMIT	
			ACGIH (TWA)	OSHA (PEL)
Asphalt	Asphalt Flux	8052-42-4	0.5 mg/m ³	5 mg/m ³
Styrene-Butadiene-Styrene	SBS Rubber	9003-55-8	NE	NE
Petroleum Hydrocarbon Resin	Resin	68527-25-3	NE	NE
Mineral Oil	Oil	64741-96-4	5 mg/m ³	5 mg/m ³
Calcium Carbonate	Limestone	1317-65-3	10 mg/m ³	15 mg/m ³
Titanium dioxide	Pigment	13463-67-7	10 mg/m ³	15 mg/m ³
Aluminum	Foil	7429-90-5	1 mg/m ³	15 mg/m ³
Polyester	Poly Film	NA	NE	NE
Polyethylene	Poly Film	9002-88-4	10 mg/m ³	15 mg/m ³
Polypropylene	Poly Film	9003-07-0	10 mg/m ³	15 mg/m ³

Note:

NA = Not Available

NE = Not Established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Solid	Taste	No data available
Appearance	Sheet in roll form	Odor	Petroleum odor
Color	Black	Odor Threshold	No applicable
Boiling Point	>650 ⁰ F	Vapor Pressure	No data
Melting Point	>200 ⁰ F	Vapor Density	No data
Freezing Point	No data	Evaporation Rate	No data
Specific Gravity	Variable	VOC (Weight)	No data
Density	No data	VOC (Volume)	No data
Bulk Density	No data	Volatiles (Weight)	No data
Viscosity	No data	Volatiles (Volume)	No data
pH (Undiluted Product)	No data	Flash Point	>450 ⁰ F
Water Solubility	Insoluble	Flash Point Test Type	COC
Solvent Solubility	No data	Upper Explosion Limit	No data
Partition Coefficient - Octanol / Water	No data	Lower Explosion Limit	No data
Molecular Weight	No data	Auto Ignition	>860 ⁰ F
Decomposition Temp.	No data	Flammability (Solid, Gas)	No data

SECTION 10 – STABILITY AND REACTIVITY**THERMAL STABILITY** Stable under normal conditions of use.**HAZARDOUS-DECOMPOSITION** Upon decomposition this product may form carbon dioxide, carbon monoxide, oxides of sulfur and various hydrocarbons during heating or burning.**HAZARDOUS-POLYMERIZATION** Will not occur.**CONDITIONS TO AVOID** Keep this product away from heat, sparks, ignition sources, and open flames in accordance with applicable laws and regulations.**INCOMPATIBLE MATERIALS** This product will react with strong acids and alkalis, strong oxidizing agents, reducing agents, and selected amines.**SECTION 11 – TOXICOLOGICAL INFORMATION****ACUTE EFFECTS** Repeated contact may cause skin irritation due to roughness of product. If dust enters eye,

may cause irritation resulting in tearing, stinging, redness or swelling. Inhalation of dust, fumes and/or vapor may cause scratchy throat and/or slight coughing. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

CHRONIC EFFECTS

Redness, drying and cracking of the skin (dermatitis) may occur in the case of prolonged and repeated contact. Extreme exposures to fumes may cause upper respiratory irritation. Silicosis (Pulmonary Fibrosis or severe lung scarring) may occur if exposed to high levels of repeated encounters with dust.

COMPONENT ANALYSIS

Asphalt

(CAS Number: 8052-42-4)

Fumes from the heating of roofing asphalt have been determined to be potential occupational carcinogen by the National Institute of Occupational Safety and Health (NIOSH).

Titanium dioxide

(CAS Number: 13463-67-7)

Titanium dioxide is classified by the International Agency for Research on Cancer (IARC) as a suspected carcinogen. Titanium dioxide causes cancer only by inhalation of respirable particles. The titanium dioxide is bound in the product matrix and no inhalation exposure will occur during the handling of this product.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	No data available for this product
PERSISTENCE/ DEGRADABILITY	No data available for this product
BIOACCUMULATION- POTENTIAL	No data available for this product
MOBILITY IN SOIL	No data available for this product
OTHER ADVERSE EFFECTS- (GHG, OZONE)	No data available for this product

SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT INFORMATION	This product, as supplied, is not expected to be a hazardous waste when it is disposed of according to the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations.
DISPOSAL INSTRUCTIONS	Dispose of waste material in accordance with Federal, State, and Local environmental regulations.
RCRA CLASS	None

SECTION 14 – TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION

Proper Shipping Name	N/A
Hazard Class	N/A
ID Number	N/A
Packing Group	N/A
Label Statement	N/A
Other	N/A

INTERNATIONAL TRANSPORT REGULATIONS

This product is not classified as dangerous goods according to international transport regulations.

UN Number N/A
UN Proper Shipping Name N/A
Packing Group N/A
Environmental Hazards N/A
Transport in Bulk N/A
Special Precautions N/A

SECTION 15 – REGULATORY INFORMATION

INTERNATIONAL REGULATIONS

These products are not considered articles per international product regulations and as such, these products do not require registration or notification on the various country-specific inventories.

U. S. FEDERAL REGULATIONS

TSCA This product contains some components that are listed on the TSCA 8(b) inventory
CERCLA None
SARA
Section 302 None of the product components are listed under this section
Section 311/312 Acute Health: Yes; Chronic Health: Yes
Section 313 This product contains the following chemicals subject to Annual Release Reporting Requirements.

CHEMICAL NAME	CAS NUMBER	PERCENT BY WEIGHT
Aluminum (reported as dust or fume only – not reportable in current form)	7429-90-5	0.2 - 5

STATE REGULATIONS Component Analysis – State: The following components appear on one or more of the following state hazardous substances lists.

CHEMICAL NAME	COMMON NAME	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Asphalt	Asphalt Flux	8052-42-4	Yes	Yes	Yes	Yes	Yes	Yes
Calcium Carbonate	Limestone	1317-65-3	No	Yes	Yes	No	Yes	Yes
Titanium dioxide	Pigment	13463-67-7	Yes	Yes	Yes	Yes	Yes	Yes

Note: TSCA Toxic Substances Control Act
 CERCLA Comprehensive Environmental Response Compensation and Liabilities Act
 SARA Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III
 Section 302 Extremely Dangerous Hazardous Substances
 Section 311/312 Immediate health; Delayed health; Fire hazard
 Section 313 Reportable Ingredients

SECTION 16 – OTHER INFORMATION

DATE OF PREPARATION November 11, 2019
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CHANGES SINCE LAST-REVISION Removal of California Prop 65 language in Section 15

PREPARED BY

Tarco

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