SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Asphalt Rolled Roofing
SDS NUMBER 401
PRODUCT DESCRIPTION: Self-Adhesive SBS Modified Bituminous Polyester Reinforced Cap Sheet
CHEMICAL FAMILY: Mixture
PRODUCT USE: Weatherproofing
TRADE NAME (S): LeakBarrier® EasyStick Plus™
MANUFACTURER: Tarco
One Information Way
Suite 225
Little Rock, AR 72202
United States
www.tarcoroofing.com
tarco@tarcoroofing.com

TELEPHONE (TECHNICAL) 800-365-4506 (8:00 AM – 5:00 PM - US Central Time) Monday - Friday
TELEPHONE (EMERGENCY) 800-424-9300 (Chemtrec, in English)

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) | HAZARD RATING (HMIS®)
--- | ---
**HEALTH** | 1 | 1
**FLAMMABILITY** | 1 | 1
**REACTIVITY** | 0 | 0
**SPECIAL NOTICE** | - | 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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>CAS NUMBER</th>
<th>PERCENT BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>Asphalt Flux</td>
<td>8052-42-4</td>
<td>16-47</td>
</tr>
<tr>
<td>Oxidized Asphalt</td>
<td>Coating Asphalt</td>
<td>64742-93-4</td>
<td>0-8</td>
</tr>
<tr>
<td>Styrene-Butadiene-Styrene</td>
<td>SBS Rubber</td>
<td>9003-55-8</td>
<td>2-10</td>
</tr>
<tr>
<td>Petroleum Hydrocarbon Resin</td>
<td>Resin</td>
<td>68527-25-3</td>
<td>0.2-2</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>Oil</td>
<td>64741-96-4</td>
<td>0.1-2</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Limestone</td>
<td>1317-65-3</td>
<td>5-25</td>
</tr>
<tr>
<td>Polyester</td>
<td>Polyester Mat</td>
<td>NA</td>
<td>2-6</td>
</tr>
<tr>
<td>Crushed Mineral</td>
<td>Roofing Granules</td>
<td>NA</td>
<td>19-46</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Poly Film</td>
<td>9002-88-4</td>
<td>0.4-2</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Poly Film</td>
<td>9003-07-0</td>
<td>0.4-2</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>CAS NUMBER</th>
<th>ACGIH (TWA)</th>
<th>OSHA (PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>Asphalt Flux</td>
<td>8052-42-4</td>
<td>0.5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Oxidized Asphalt</td>
<td>Coating Asphalt</td>
<td>64742-93-4</td>
<td>0.5 mg/m³</td>
<td>NE</td>
</tr>
<tr>
<td>Styrene-Butadiene-Styrene</td>
<td>SBS Rubber</td>
<td>9003-55-8</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Petroleum Hydrocarbon Resin</td>
<td>Resin</td>
<td>68527-25-3</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>Oil</td>
<td>64741-96-4</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Limestone</td>
<td>1317-65-3</td>
<td>10 mg/m³</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Polyester</td>
<td>Polyester Mat</td>
<td>NA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Crushed Mineral</td>
<td>Roofing Granules</td>
<td>NA</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Poly Film</td>
<td>9002-88-4</td>
<td>10 mg/m³</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Poly Film</td>
<td>9003-07-0</td>
<td>10 mg/m³</td>
<td>15 mg/m³</td>
</tr>
</tbody>
</table>
Note:
NA = Not Available
NE = Not Established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

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. Other effects include wheezing, chest pains, and bronchitis. 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).

Oxidized Asphalt
(CAS Number: 64742-93-4)
Occupational exposures to oxidized asphalt and its emissions during roofing have been determined by the International Agency for Research on Cancer (IARC) as ‘probably carcinogenic to humans’.

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 | None of the product components are listed under this section |
| Section 302 | Acute Health: Yes; Chronic Health: Yes |
| Section 311/312 | None of the product components are listed under this section |

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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>CAS NUMBER</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>Asphalt Flux</td>
<td>8052-42-4</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Oxidized Asphalt</td>
<td>Coating Asphalt</td>
<td>64742-93-4</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Limestone</td>
<td>1317-65-3</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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 |
DATE OF LAST REVISION | July 01, 2014 |
CHANGES SINCE LAST-REVISION | Removal of California Prop 65 language in Section 15 |
PREPARED BY | Tarco |
DISCLAIMER | The information and recommendations contained herein are to the best of the manufacturer’s knowledge and belief, and are presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer’s responsibility to ensure that its activities comply with Federal, State, and Local laws. The
supplier shall not be liable for any loss or damage arising out of the use thereof. The 
information and recommendations are offered for the user’s consideration and examination, 
and it is the user’s responsibility to ensure the suitability and completeness of such information 
for a particular use. No information or recommendation shall be deemed to be a 
recommendation to use any product in conflict with any existing patent rights.