SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Synthetic Roof Underlayment
PRODUCT DESCRIPTION: Polyolefin Coated Fabric
CHEMICAL FAMILY: Mixture
PRODUCT USE: Building and Construction
TRADE NAME (S): RoofRunner™
MANUFACTURER: CertainTeed Corp.
18 Moores Road
Malvern, PA 19355

TECHNICAL CONTACT 1-800-233-8990
EMERGENCY CONTACT chemtec@chemtrec.com (8am-7pm US Eastern Time Zone, US and Canada)

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 Skin, Eye, Ingestion

POTENTIAL HEALTH EFFECTS:

Inhalation Not expected under normal conditions of use.

Skin Not expected under normal conditions of use. Repeated contact may cause skin irritation due to roughness of product.

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 material comes in contact with the eyes, it may cause irritation.

Carcinogenicity When used under normal conditions, this product is not considered a carcinogen.
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>Polypropylene</td>
<td>Polyolefin</td>
<td>9003-07-0</td>
<td>&gt; 75%</td>
</tr>
<tr>
<td>Polymer Active Ingredients</td>
<td>Polymer Extrusion Coating</td>
<td>Proprietary</td>
<td>&lt; 15%</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Polyolefin</td>
<td>9002-88-4</td>
<td>&lt; 12%</td>
</tr>
<tr>
<td>Light Stabilizer</td>
<td>UV Additive masterbatch</td>
<td>70624-18-9</td>
<td>&lt; 2%</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variability.

Note:
NA = Not Available
NE = Not Established

SECTION 4 – FIRST AID MEASURES

INHALATION Remove to fresh, uncontaminated air.

SKIN For minor burns due to molten plastic, use running cold water.

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
None

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, Unidentified organic compounds. 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
Molten polypropylene tends to flow or drip; proper protection required. 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
None known

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
When handling uncontained material, use personal protective equipment as described in Section 8 of this SDS.

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
Not known

OTHER PRECAUTIONS
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.
Do not walk on material that has not been securely fastened to the roof deck.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY-PROTECTION
Not needed under normal use conditions.

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-inc 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.

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>EXPOSURE LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH (TWA)</td>
</tr>
<tr>
<td>Polypropylene</td>
<td>Polyolefin</td>
<td>9003-07-0</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Polyethylene</td>
<td>Polyolefin</td>
<td>9002-88-4</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Polymer Active Ingredients</td>
<td>Polymer Extrusion Coating</td>
<td>Proprietary</td>
<td>NE</td>
</tr>
<tr>
<td>Light Stabilizer</td>
<td>UV Additive Masterbatch</td>
<td>70624-18-9</td>
<td>NE</td>
</tr>
</tbody>
</table>

Note:
NA = Not Available
NE = Not Established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
<th>Taste</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Solid</td>
<td>Taste</td>
<td>No data available</td>
</tr>
<tr>
<td>Appearance</td>
<td>Sheet in roll form</td>
<td>Odor</td>
<td>Mild petroleum odor</td>
</tr>
<tr>
<td>Color</td>
<td>Various colors</td>
<td>Odor Threshold</td>
<td>No applicable</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, and unidentified organic compound 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  None known

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS  Repeated contact may cause skin irritation due to roughness of product. If material comes in contact with the eyes, it may cause irritation. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

CHRONIC EFFECTS  None known

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
<td>Vapor Pressure</td>
<td>No data</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt;235°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;570°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>No data</td>
</tr>
<tr>
<td>Decomposition Temp.</td>
<td>No data</td>
<td>Flammability (Solid, Gas)</td>
<td>No data</td>
</tr>
<tr>
<td>Decomposition Temp.</td>
<td>No data</td>
<td>Flammability (Solid, Gas)</td>
<td>No data</td>
</tr>
</tbody>
</table>
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 REGULATION

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 None
CERCLA None
SARA

Section 302 None of the product components are listed under this section
Section 311/312 None of the product components are listed under this section
Section 313 None of the product components are listed under this section
STATE REGULATIONS
None

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  September 7, 2017
DATE OF LAST REVISION  N/A
CHANGES SINCE LAST REVISION  N/A
PREPARED BY  CertainTeed Corporation

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.