SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

MATERIAL NAME: Radiant Shield
PRODUCT DESCRIPTION: Radiant Barrier - Foil
CHEMICAL FAMILY: Mixture
PRODUCT USE: Construction
TRADE NAME (S): Radiant Shield
Details of the Supplier of the Safety Data Sheet
Manufacturer / Supplier: Fi-Foil Company, Inc
612 W. Bridgers Ave.
Auburndale, FL 33823
USA
www.FiFoil.com

TECHNICAL CONTACT 1 800 448 3401 (8:00AM-5:00PM – US Eastern Time) Monday-Friday

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Overview All components of this product are encapsulated within a Polyolefin matrix. When handled as intended and used under normal conditions, the product listed 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.

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 This product is not considered a carcinogen.
HAZARD RATING (NFPA)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
<th>SPECIAL NOTICE</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>0</td>
<td>-</td>
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</table>

HAZARD RATING (HMIS®)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

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>Polyethylene</td>
<td>Polymeric Scrim</td>
<td>9002-88-4</td>
<td>35 - 45% range PE</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Aluminum Foil</td>
<td>7429-90-5</td>
<td>25 - 35% range</td>
</tr>
<tr>
<td>Specialty Polymer Lamination</td>
<td>Polyolefin Blend</td>
<td>9002-88-4</td>
<td>25-35% range Polymer Blend</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

Safety Data Sheet- Radiant Shield
SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA Water spray, Foam, Carbon Dioxide, Dry Chemical.
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 polyolefin 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 Not applicable

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 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.

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-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.

**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>
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<tr>
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<td>ACGIH (TWA)</td>
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<tr>
<td>Polyethylene</td>
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<tr>
<td>Aluminum</td>
<td>Aluminum Foil</td>
<td>7429-90-5</td>
<td>10 mg/m³</td>
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<tr>
<td>Specialty Polymer Lamination</td>
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**Note:**

NE = Not Established

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<tr>
<th>Physical Property</th>
<th>Value</th>
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<tr>
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<td>Solid</td>
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<td>Color</td>
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<td>Molecular Weight</td>
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<td>Decomposition Temp.</td>
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<td>Taste</td>
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<td>Solvent Solubility</td>
<td>Upper Explosion Limit</td>
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<td>Lower Explosion Limit</td>
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<td>Molecular Weight</td>
<td>Auto Ignition</td>
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<td>Decomposition Temp.</td>
<td>Flammability (Solid, Gas)</td>
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<td>No data</td>
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</tbody>
</table>

Safety Data Sheet - Radiant Shield
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
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

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:

Safety Data Sheet- Radiant Shield
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     Feb 4, 2016
DATE OF LAST REVISION   Feb 4, 2016
CHANGES SINCE LAST-     N/A
  REVISION
PREPARED BY             Fi-Foil Company, Inc
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.