

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)

HEALTH	0	
FLAMMABILITY	1	
REACTIVITY	0	
SPECIAL NOTICE	-	

HAZARD RATING (HMIS®)

HEALTH	0	
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
Polyethylene	Polymeric Scrim	9002-88-4	35 - 45% range PE
Aluminum	Aluminum Foil	7429-90-5	25 - 35% range
Specialty Polymer Lamination	Polyolefin Blend	9002-88-4	NA 25-35% range Polymer Blend

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.
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
ENGINEERING CONTROLS/
VENTILATION**

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

Not needed under normal conditions of use.

CHEMICAL NAME	COMMON NAME	CAS NUMBER	EXPOSURE LIMIT	
			ACGIH (TWA)	OSHA (PEL)
Polyethylene	Polymeric Coating	9002-88-4	10 mg/m ³	15 mg/m ³
Aluminum	Aluminum Foil	7429-90-5	10 mg/m ³	15 mg/m ³
Specialty Polymer Lamination	Polyolefin Blend	9002-88-4	5 mg/m ³ Á	NE

Note:

NE = Not Established

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Solid	Taste	No data available
Appearance	Sheet in roll form	Odor	Odorless
Color	Reflective Aluminum	Odor Threshold	No applicable
Boiling Point	N/A	Vapor Pressure	No data
Melting Point	>240 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	>570 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	No data
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, 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:

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-
REVISION** N/A

PREPARED BY Fi-Foil Company, Inc

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