



SAFETY DATA SHEET

Section 1: Product and Company Identification

PRODUCT NAME/CODES: Radiant Shield RB3100-2022 Series

PRODUCT USE: Construction

MANUFACTURER: Fi-Foil Company, Inc.

ADDRESS: 612 Bridgers Ave., W.
Auburndale, FL 33823 USA

ISSUE DATE: 08/12/2022

EMERGENCY PHONE: 863-965-1846 (8:00AM-5:00PM – US EST) Monday - Friday

Section 2: Hazards Identification

EMERGENCY OVERVIEW: No significant health hazards are present in this product. All chemicals are bound to a solid film, and not likely to present an exposure concern under normal handling conditions.

ROUTES OF ENTRY: Skin contact is the only expected route of entry.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May be harmful if absorbed through skin. May cause skin irritation.

INGESTION: Harmful if swallowed or if inhaled

INHALATION: Harmful if swallowed or if inhaled

ACUTE HEALTH HAZARDS: Acute toxicity, Oral

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OTHER: None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WEIGHT</u>
Woven Polyolefin Fabric	Proprietary	44-99%
Metallized Polyester	25038-59-9	0-65%
Aluminum	231-072-3	<0.5%
Complex Co-polymer Compound	Trade Secret	<0.5%
Crystalline Silica	14464-46-1	<0.5%

Ppm

mg/m3

OSHA PEL: No OSHA PEL has been established for this material

ACGIH TLV: No ACGIH TLV has been established for this material

SECTION 4: FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if pain persists.

SKIN: Wash off with soap and plenty of water. Consult a physician.

INGESTION: If swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY: The woven polyolefin fabric is a combustible material.

AUTOIGNITION TEMPERATURE (°C): 325 - 410 °C

HMIS HAZARD CLASSIFICATION

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY: 0

PROTECTION: A

EXTINGUISHING MEDIA: Use foam, dry chemical, CO₂ or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus for firefighting if necessary.

UNUSUAL FIRE AND EXPLOSION STANDARDS: None known

HAZARDOUS DECOMPOSITION COATINGS: CO, CO₂, Oxides of Nitrogen, Aldehydes and unidentified organic compounds may be formed upon combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: In its produced form the coating is firmly adhered to the underlying substrate therefore accidental release is unlikely and is not known to result in any kind of hazard.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Does not require special storage

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Not generally required.

VENTILATION: Normal ventilation

RESPIRATORY PROTECTION: Not generally required but face mask suggested.

EYE PROTECTION: Not generally required but safety glasses suggested.

SKIN PROTECTION: Not generally required but face mask and gloves suggested.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not generally required.

WORK HYGIENIC PRACTICES: General industrial hygiene practice.

EXPOSURE GUIDELINES: None recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Woven polyolefin fabric film with aluminum coating

ODOR: Coating may release trace amounts of acrylic odor.

PHYSICAL STATE: Solid film

BOILING POINT (°C): Not determined

MELTING POINT (°C): 110 - 160 °C

VAPOR PRESSURE (mmHg): Negligible

VAPOR DENSITY (AIR=1): Negligible

SPECIFIC GRAVITY (H₂O=1): 0.87 – 0.95

EVAPORATION RATE: Negligible

SOLUBILITY IN WATER: Negligible

PERCENT SOLDS BY WEIGHT: 100%

PERCENT VOLATILE: Trace amounts

VOLATILE ORGANIC COMPOUNDS (VOC): Related to acrylates

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is known to be stable.

CONDITIONS TO AVOID (STABILITY): Prolonged exposure to organic solvents

INCOMPATIBILITY (MATERIAL TO AVOID): Organic solvents, strong oxidizing or reducing agents, or strong acids

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: None known

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Polymer is expected to have no adverse or toxic effects as it is solid, low volatile and insoluble in water

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Film waste can be recycled or use in landfill or incinerated at high temperatures and long residence time to ensure complete combustion. Disposal should be done in accordance with local, state, or national regulations.

RCRA HAZARD CLASS: Not applicable

SECTION 14: TRANSPORTATION INFORMATION**U.S. DEPARTMENT OF TRANSPORTATION**

SHIPPING INFORMATION: Not dangerous goods / Not Regulated

WATER TRANSPORTATION (IMDG)

SHIPPING INFORMATION: Not dangerous goods / Not Regulated

AIR TRANSPORTATION (IATA)

SHIPPING INFORMATION: Not dangerous goods / Not Regulated

OTHER AGENCIES (IF APPLICABLE)

Not Applicable

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS**

TSCA: The components of this product are all on the TSCA Inventory.

Export Notification: This product does not contain any chemicals at concentrations subject to Section 12(b) export notification.

CER: The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

SARA TITLE III: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

311/312 HAZARD CATEGORIES: No SARA Hazards

313 REPORTABLE INGREDIENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CALIFORNIA PROPOSITION 65 INFORMATION

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

INTERNATIONAL REGULATIONS

None known

SECTION 16: OTHER INFORMATION**PREPARATION
INFORMATION:**

Prepared by Derrick
Chambers On August 12,
2022

DISCLAIMER:

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).