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Version 1.1

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: Sol-R-Skin™ BLUE Anti-Glare Radiant Barrier

1.1 INTENDED USE OF THE PRODUCT BUILDING MATERIALS

Roofing Underlayment

1.2 NAME, ADDRESS AND TELEPHONE NUMBER OF THE RESPONSIBLE PARTY

WESTLAKE ROYAL ROOFING LLC
2801 Post Oak, Suite 600, Houston,
Texas 77056 | Ph: 1-855-769-2585

1.3 EMERGENCY TELEPHONE NUMBER: CHEMTREC (USA & CA): 1-800-424-9300

SECTION 2: HAZARD (S) IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE (GHS-US)

This product is considered an article as defined by [29 CFR 1910.1200\(c\)](#), as follows: "Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees." This SDS contains additional health hazard information related to particulate generation during cutting or other physical/mechanical processing.

2.2 LABEL ELEMENTS (GHS-US)

Hazard Pictograms: • None required

Signal Word: • None required

Hazard Statements:

- None required: All product ingredients are bound within the product. Exposures to hazardous substances are not expected during normal use.
- Mechanical injury (irritation) to eyes and skin should be prevented with proper handling and personal protective equipment.

Precautionary and Response Statements:

- Read carefully and follow all instructions.
- Wear protective gloves and eye protection for safety.
- Wash hands and exposed skin thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing until pain or irritation subsides.
- If skin irritation occurs, eye irritation persists, or you feel unwell: Get medical help.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 DESCRIPTION OF PRODUCT

Polyethylene-coated aluminum and fiberglass matrix roofing fabric

3.2 PRODUCT INGREDIENTS AND HAZARD CLASSIFICATION

Ingredient	Product Identifier (CAS No.)	% (w/w)	Hazard Classification (GHS-US)
Non-biopersistent glass fibers	None Assigned	45 – 50	<ul style="list-style-type: none"> Not classified
Aluminum	7429-90-5	25 – 30	<ul style="list-style-type: none"> Not classified in this product
Polyethylene	9002-88-4	15	<ul style="list-style-type: none"> Not classified
Extended phenol-formaldehyde resin (cured) ⁽¹⁾	25104-55-6	5 – 10	<ul style="list-style-type: none"> Not classified in this product Cured material is non-volatile
Adhesive	Proprietary	< 3	<ul style="list-style-type: none"> Not classified in this product
Fiberglass ⁽²⁾	65997-17-3	< 2	<ul style="list-style-type: none"> Skin Irritation 2, H315 Eye Irritation 2B, H320 STOT-SE (Single Exposure) 3 (Respiratory), H335 STOT-RE (Repeated Exposure) 2 (Respiratory), H373
Titanium dioxide ⁽²⁾	13463-67-7	0.1	<ul style="list-style-type: none"> STOT-SE (Single Exposure) 3 (Respiratory), H335 STOT-RE (Repeated Exposure) 2 (Respiratory), H373

fn⁽¹⁾ Cured resin does not readily release free formaldehyde. Formaldehyde release is highest in newly manufactured products and decreases over time. Increased levels of formaldehyde in air can occur if resin is heated to temperatures where it decomposes or when in contact with high humidity levels.

fn⁽²⁾ Bound within coating matrix that precludes release as particulate during normal use.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General: Never give anything by mouth to an unconscious person. Any person who is experiencing symptoms of injury or illness should be moved to a comfortable area with fresh air, and the label or SDS of this product reviewed. First aid measures described are for general response to construction site responses. If feeling unwell, seek medical advice.

Inhalation: If symptoms of dust exposure (respiratory irritation) occur, move the person to fresh air. Provide drinking water, if conscious, to flush mouth and irrigate upper respiratory tract. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Eye Contact: Do not rub or scratch eyes; dust particles may cause the eye to be scratched. If injury is due to a projectile, seek immediate medical attention. If the person's symptom is eye irritation due to dust exposure, careful flushing with clean water should continue for at least 15 minutes. If contact lenses are present, they should be removed after flushing. Flushing should continue until irritation subsides. Medical attention should be obtained if irritation persists.

Skin: Wash gently with soap and warm water to remove fibers or other irritants. Injuries to skin due to abrasion or laceration should be treated by flushing with clean water followed by first aid (application of disinfectant and bandage). If the injury is more extensive or irritation and pain persists, medical attention should be sought.

Ingestion: Not an expected route of exposure.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS—BOTH ACUTE AND DELAYED

General: This product is a mechanical irritant and is not expected to produce any chronic health effects from acute exposures.

Inhalation: Exposures of the respiratory system to fibers or dust may result in temporary irritation.

Eye Contact: Exposures of the eyes to fibers or dust may result in temporary irritation, pain, redness, and blurred vision.

Skin Contact: Other than abrasion and irritation, skin contact should not cause delayed or chronic symptoms.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

Any time symptoms of eye, skin or respiratory irritation persist, medical attention should be obtained.

Notes to Physician: Treatment should be directed toward removing the source of irritation, with symptomatic treatment as necessary.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA Use extinguishing media appropriate for surrounding fire. If product is on fire, suppress with water spray, foam, ABC dry chemical, or carbon dioxide.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire Hazard: No specific fire hazard. DO NOT USE A DIRECT FLAME DEVICE ON THIS PRODUCT. (See Section 7.)

Explosion Hazard: Not an expected hazard.

Reactivity: No specific data.

Other Hazards: None known.

5.3 ADVICE FOR FIRE FIGHTERS

Fire fighters should not engage in fire suppression without wearing NIOSH-approved self-contained breathing apparatus with full-face mask and other protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

General Measures: Avoid contact with unprotected eyes and skin.

6.1.1. FOR NON-EMERGENCY PERSONNEL

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Not applicable.

6.1.2. FOR EMERGENCY PERSONNEL

Protective Equipment: Equip clean-up crew with proper protection.

Emergency Procedures: Not applicable, except as stated in Section 5.

6.2 ENVIRONMENTAL PRECAUTIONS

Reuse product as appropriate to avoid disposal.

6.3 METHOD SAND MATERIAL FOR CONTAINMENT AND CLEAN-UP

Containment: Contain and collect as any solid. Pick up large pieces and dispose as refuse.

6.4 REFERENCE TO OTHER SECTIONS

See Section 8. Exposure Controls and Personal Protection. For waste management information, refer to Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

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 USE A DIRECT FLAME DEVICE ON THIS PRODUCT.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and again when leaving work.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Material should be kept dry. Store away from heat, ignition sources, open flames and protected from the elements.

7.3 SPECIFIC END-USE(S) No applicable limits.**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 EXPOSURE LIMITS**

The following exposure limits are based on a time-weighted full-shift exposure, unless otherwise noted.

Ingredient	OSHA PEL ⁽¹⁾ (mg/m ³)	ACGIH-TLV ⁽²⁾ (mg/m ³)	Other ⁽³⁾ (mg/m ³)
Non-biopersistent glass fibers	None Established	10 (inhalable) 3 (respirable)	3 fibers/cc 1 fiber/cc(4)
Aluminum	15 (total) 5 (respirable)	10 (total) 5 (respirable)	10 (total) 5 (respirable)
Polyethylene	None Established	None Established	None Established
Extended phenol-formaldehyde resin (cured) ⁽⁵⁾	5 (respirable) 15 (total)	5 (respirable) 10 (total)	None Established
Fiberglass	None Established	10 (inhalable) 3 (respirable)	3 fibers/cc 1 fiber/cc(4)
Titanium dioxide	15 (total)	10 (total)	None Established

f n⁽¹⁾ OSHA PEL (Permissible Exposure Levels at 29CFR1910.1000)

f n⁽²⁾ ACGIH-TLV (American Conference of Governmental Industrial Hygienists-Threshold Limit Values 2021)

f n⁽³⁾ NIOSH REL (National Institute for Occupational Safety & Health Recommended Exposure Limit)

f n⁽⁴⁾ NAIMA Product Stewardship Program recommended permissible exposure limit (PEL)

f n⁽⁵⁾ Cured material is non-volatile

NOTE: Exposure limits apply to dust only, if applicable.

8.2 EXPOSURE CONTROLS

Appropriate Engineering Controls: No special ventilation systems are required when handling this product.

Personal Protective Equipment: Protective goggles or safety glasses, and gloves.



Hand Protection: Protective gloves as appropriate to prevent abrasion and hand injuries.

Eye and/or Face Protection: Approved safety glasses, goggles, and/or face-shield.

Skin and Body Protection: Appropriate work clothing and footwear should be worn.

Respiratory Protection: Not expected to be required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid.

Appearance: Blue-coated aluminum rolled mat.

Odor: Slight.

Odor Threshold: No data.

pH: Not applicable.

Evaporation Rate: No data.

Melting Point: No data.

Freezing Point: No data.

Boiling Point: No data.

Flash point: No data.

Auto-Ignition Temperature: No data.

Decomposition Temperature: No data.

Flammability (solid, gas): No data.

Lower Flammable Limit: No data.

Upper Flammable Limit: No data.

Vapor Pressure: No data.

Relative Vapor Density at 20°C: No data.

Relative Density: No data.

Specific Gravity: No data.

Solubility: Insoluble.

Partition Coefficient—N-Octanol/Water: Not applicable.

Viscosity: Not applicable.

Explosion Data—Sensitivity to Mechanical Impact: Not applicable.

Explosion Data—Sensitivity to Static Discharge: Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY Hazardous reactions are not expected to occur under normal conditions.

10.2 CHEMICAL STABILITY Stable.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS Not applicable.

10.4 CONDITIONS TO AVOID See Section 7 for Storage Information.

10.5 INCOMPATIBLE MATERIALS None known.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS Trace amounts of formaldehyde may be released when in contact with moisture, including high heat and humidity.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Skin Contact: Product may irritate unprotected skin.

Eye Contact: When product is shaped or cut, fibers or dust may enter unprotected eye and cause injury or irritation resulting in tearing, stinging, redness or swelling.

Inhalation: Inhalation of fibers or dust may irritate respiratory tract. **Ingestion:** Not expected to be an exposure route of concern.

11.2 SYMPTOMS RELATED TO PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

Immediate Effects: Irritation of skin and eyes due to abrasion producing immediate discomfort.

Delayed and Chronic Effects: Prolonged and repeated contact with product may cause prolonged irritation.

11.3 NUMERICAL MEASURES OF TOXICITY

The acute and chronic effects of exposure to this product's fumes/dust have not been quantified.

11.4 CARCINOGENICITY

Formaldehyde has been designated by International Agency for Research on Cancer (IARC) as Group 1 carcinogenic to humans, by National Toxicology Program (NTP) as known to be a human carcinogen, by ACGIH as Group A1 confirmed human carcinogen, by NIOSH as a potential occupational carcinogen, and by OSHA as a cancer hazard. **As a component of the cured resin, this product does not readily release free formaldehyde.**

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY No additional information available.

12.2 PERSISTENCE AND DEGRADABILITY Not available.

12.3 BIO ACCUMULATIVE POTENTIAL Not available.

12.4 MOBILITY IN SOIL Not available.

12.5 OTHER ADVERSE EFFECTS Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste Disposal Recommendations: Product waste is not a hazardous waste as defined by the Resource Conservation and Recovery Act regulation [40 CFR 261]. Collect waste material and dispose in accordance with all local, regional, national, provincial, territorial, and international solid waste regulations. Do not burn. If unsure of regulations, contact your local Environmental Health Department or the U.S. Environmental Protection Agency (U.S. EPA).

SECTION 14: TRANSPORT INFORMATION

- 14.1 IN ACCORDANCE WITH DOT** Not regulated for transport.
14.2 IN ACCORDANCE WITH IMDG Not regulated for transport.
14.3 IN ACCORDANCE WITH IATA Not regulated for transport.
14.4 IN ACCORDANCE WITH TDG Not regulated for transport.

SECTION 15: REGULATORY INFORMATION**15.1 U.S. FEDERAL REGULATIONS****SARA Section 311/312 Hazard Classes(40CFR370)**

Skin irritation, eye irritation, specific target organ toxicity (single or repeated exposure). Inventory reporting is not required for this product as a manufactured article [40 CFR 370.13(b)].

SARA Section 313 Emission Reporting (40CFR372)

This product may contain constituents listed under SARA (Title III) Section 313 but is exempt from reporting as a manufactured article [40 CFR 372.38(b)].

TSCA Inventory

All constituents are included on the Toxic Substances Control Act Chemical Inventory (40 CFR 720) or exempt from listing.

15.2 U.S. STATE REGULATIONS State Right-to-Know Laws

This product, as an article is exempt from hazardous substance inventory reporting under the Massachusetts, New Jersey and Pennsylvania right-to-know laws.

15.3 CANADIAN REGULATIONS**DSL**

All ingredients are listed or exempt from inclusion on the Canadian Domestic Substances List (DSL).


WHMIS 2015

This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all information required by the CPR.

15.4 OTHER: HMIS AND NFPA

HMIS:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	



NFPA:

**SECTION 16: OTHER INFORMATION****Party Responsible for Preparation of this Document**

Westlake Royal Roofing LLC
 1-855-769-2585 | (949) 585-8200

Limitations

The information and recommendations set forth herein are based on data we have in our possession, and we have reason to believe is accurate. It is, however, the user's responsibility to determine the safety, toxicity, or suitability for his/her own use of the herein described product. Because the actions by others is beyond our control, Westlake Royal Roofing LLC makes no warranty expressed or implied regarding accuracy of the data or the results to be obtained from the use thereof.