

Valor Thermal by Sol-R-Skin™ is a product of Eagle Roofing Products "Secure Roof Components" line and is manufactured by International Insulation Products, Inc.

Material Safety Data Sheet

Sol-R-Skin Class A

1. Product and company identification

Hazard Label WARNING

International Insulation Products
4938 South Atlanta Rd Ste 700
Atlanta, GA 30339

Telephone: 404-809-3339
8:00AM-5:00PM M-F
Web Address: <https://www.iiproducts.com>

Trade name: Sol-R-Skin

2. Hazards identification

OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Emergency overview

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

No known significant effects or critical hazards. Formaldehyde may be released by partial hydrolysis of the urea formaldehyde polymer. Avoid prolonged contact with eyes, skin and clothing.

Potential acute health effects

Inhalation: Temporary mechanical irritation (itching) or redness may occur upon exposure to dust or fibers released during cutting.

Ingestion: No known significant effects or critical hazards.

Skin: Temporary mechanical irritation (itching) or redness may occur upon exposure to dust or fibers released during cutting.

Eyes: Temporary mechanical irritation (itching) or redness may occur upon exposure to dust or fibers released during cutting.

Potential chronic health effects

Chronic effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Target organs: nose/sinuses, throat, respiratory tract, skin/epithelium, eyes

Medical conditions aggravated by over-exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>Concentration%</u>
Aluminum	7429-90-5	60-80%
Polyethylene	9002-88-4	5-10%
Fiberglass	65997-17-3	10-15%
Adhesive	Proprietary	-5%
Non-biopersistent glass fibers	Not assigned	80%

4. First aid measures

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

Notes to physician: Contact with or inhalation of glass dust and fibres may cause mechanical irritation of skin and mucous membranes. No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training.

5. Fire-fighting measures

Flammability of the product: No specific fire or explosion hazard.

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

Fire-fighting measures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Hazardous thermal decomposition products: No specific data.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Store in accordance with local regulations. Store in a dry, cool place protected from direct sunlight in a well-ventilated area, away from incompatible materials (see section 10) and food and drink. Avoid storing near heat, flame or any source of ignition. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits. **Exposure limits**

Nuisance dust:

15 mg/m³ TWA OSHA (total particulate), 5mg/m³ TWA (respirable fraction)

Aluminum

1 mg/me TWA ACGIH TLV (respirable)

15 mg/me TWA OSHA PEL (total dust), 5mg/m³ TWA (respirable fraction)

Polyethylene

None established

Fiberglass

5 mg/m³ or 1 f/cc TWA ACGIH TLV

15 mg/m³ TWA OSHA PEL (total dust), 5 mg /m³ TWA (respirable fraction)

Non-biopersistent glass fibers

1 fiber/cm³ TWA ACGIH

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Gloves (protection against mechanical abrasion)

Eyes: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. Physical and chemical properties

Appearance:	Solid, laminated material
Color:	Colored
Odor:	Slight
Odor Threshold:	No data available
Boiling Point:	Not measured
Vapor Density (air =1):	Not measured
Specific Gravity (H2O=1):	Not measured
Liquid Density:	Not applicable
Relative Density:	Not applicable
Freezing Point:	Not applicable
Melting Point:	Not applicable
Solubility in water:	Not applicable
Solubility in other solvents:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Upper explosion limit:	Not applicable
Lower explosion limit:	Not applicable
Auto-ignition temperature:	Not applicable
Thermal decomposition:	Not applicable
Viscosity (dynamic & kinematic):	Not applicable

10. Stability and reactivity

Stability: The product is stable.

Hazardous decomposition products: Formaldehyde may be released by partial hydrolysis of the urea formaldehyde polymer.

Conditions of reactivity: Not available.
Not available.

11. Toxicological information

Respiratory sensitisation: Not relevant

IARC Group 3: Not classifiable as to its carcinogenicity to humans non-biopersistent (biosoluble) glass fibers.

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.

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.

Aspiration toxicity
Not relevant

Further information

Remarks: Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Trace amounts of formaldehyde may be released when contacted with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity.

12. Ecological information

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:

Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: Due to the properties of the product, a hazard to the environment may not be expected.

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

These products are not classified as dangerous goods according to international transport regulations.

15. Regulatory information

TSCA list

TSCA - 5(a) Significant New Use Rule List of Chemicals:

Not relevant

U.S. Toxic Substances Control Act (TSCA) Section 12(b)
Export Notification (40 CFR 707, Subpt D):

Not relevant

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: No SARA Hazards

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

WARNING! This product contains a chemical known to the State of California to cause cancer. formaldehyde 50-00-0

The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

International regulations

Korea inventory: All components are listed or exempted.

Japan. ENCS - Existing and New Chemical Substances Inventory: All components are listed or exempted.

China. IECSC - Inventory of Existing Chemical Substances in China: All components are listed or exempted.

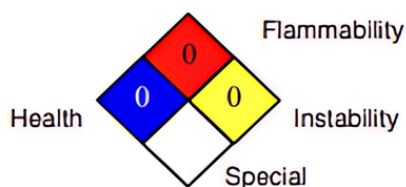
Australia. AICS - Australian Inventory of Chemical Substances: All components are listed or exempted.

Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances: All components are listed or exempted.

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.

16. Other information

National Fire Protection Association (U.S.A.):



Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.