



Stevens Roofing Systems

Material Safety Data Sheet

Stevens ISO 3000 Insulation

Section 1: Chemical Product and Company Information

Stevens Roofing Systems
Carolina Plant
1535 Elastic Plant Road
Westfield, NC 27053
USA

Information Phone: (336) 351-3131
Emergency Phone: (413) 533-8100
CHEMTREC: (800) 424-9300 or
(703) 527-3887

CAS Number: Mixture
General Use: Roofing Insulation

Section 2: Composition, Information on Ingredients

Ingredient Name	CAS #	% Wt (approx.)
Polyisocyanurate Foam	None	97
Pentane	109-66-0	2
Fiberglass	65997-17-3	1

Section 3: Physical Data

Boiling Point: Not Applicable
Melting Point: Not Applicable
Vapor Pressure: Not Applicable
Percent Volatile by Volume: Not Applicable
pH: Not Applicable
Vapor Density (Air = 1): Not Applicable
Specific Gravity: Not Determined
Solubility in Water: Insoluble
Evaporative Rate: Not Applicable
Appearance and Odor: White or cream colored solid with a coated glass mat facing and with no odor

Section 4: Fire & Explosion Hazard Data

Flash Point: Not Applicable Method Used: Not Applicable
Flammability Limits: Not Applicable
Lower Explosion Limit: Not Applicable
Upper Explosion Limit: Not Applicable
Auto-Ignition Temperature: Not Applicable
Extinguishing Media: CO₂, Dry Chemical, Water Spray
Special Fire Fighting Instructions: Self contained breathing apparatus
Unusual Fire & Explosion Hazards: This product will burn and should not be left exposed. Under certain fire conditions, combustible gases can be generated creating rapidly spreading, high intensity flames and dense, black smoke.

Section 5: Reactivity Data

Stability (Conditions to Avoid): Stable, avoid sources of ignition.



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Incompatibility (Materials to Avoid): Acetone, methyl ethyl ketone, tetrahydrofuran, chlorine, chloroform, hydrogen peroxide, ethylene dichloride, dimethyl sulfoxide, and dimethyl formamide.
 Hazardous Decomposition Products: The primary decomposition products are CO and CO₂. Some HCN may be generated under certain conditions.
 Hazardous Polymerization: Will not occur.

Section 6: Health Hazard Data

Primary Route(s) of Entry: Inhalation

Health Hazards (Acute and Chronic):

Inhalation of Fibrous Glass

Acute: Mechanical irritation of the mouth, nose and throat.

Chronic: No chronic health effects are known to be associated with exposure to continuous filament fiberglass. Results from epidemiological studies have not shown any increase in respiratory disease or cancer. The International Agency for Research on Cancer (IARC) has classified fibrous glass as a Group 3 carcinogen (IARC-3).

Inhalation of Polyisocyanurate Foam

Acute: Dust will cause respiratory tract irritation.

Chronic: There is no evidence that polyisocyanurate foam dust causes disease in humans.

Skin Contact with Fibrous Glass or Polyisocyanurate Foam

Acute: Transient mechanical irritation

Chronic: None known

Eye Contact with Fibrous Glass or Polyisocyanurate Foam

Acute: Mechanical irritation

Chronic: None known

Signs and Symptoms of Exposure: Mechanical irritation of the eyes, skin and respiratory tract.

Medical Conditions Generally Aggravated by Exposure: Any condition generally aggravated by mechanical irritants in the air or on the skin.

Exposure Limits:

Hazardous Ingredients	OSHA PEL	ACGIH TLV	Other Limits (Source)
Polyisocyanurate Foam (as nuisance dust)	15 mg/m ³	10 mg/m ³	None
Pentane	1000 ppm TWA	600 ppm TWA	1500 ppm IDLH (NIOSH)
Fibrous Glass (respirable nuisance dust)	5 mg/m ³	10 mg/m ³	3 x 10 ⁶ fibers/m ³ (NIOSH)

Carcinogenicity:

Hazardous Ingredients	NTP Listed	IARC Listed	OSHA Regulated
Polyisocyanurate Foam	No	No	No
Pentane	No	No	No
Fibrous Glass	No	No	No

Section 7: Emergency and First Aid Procedures

Inhalation: None required

Skin Contact: Wash with soap and cool running water.

Eye Contact: Flush with running water for at least 15 minutes.

Section 8: Special Handling and Storage Information



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Installation Procedure: Cutting of product should be done with a serrated type knife or saw (i.e. gypsum wallboard or keyhole). The use of rotary powered saws is not recommended, as the original continuous filament fibers in the facings are of non-respirable size and the use of powered saws may create smaller fibers and cause them to become airborne.

Ventilation: Ambient. Store in a dry, well ventilated area. Assure storage containers or areas and shipping containers are adequately ventilated.

Respiratory Protection: If irritation occurs or TLV is exceeded, use a respirator such as 3M Model 8271, Model 8210, or equivalent for protection against nuisance dusts.

Protective Clothing: If excessive dust is generated during cutting operations, wear long sleeved shirt, loose fitting clothing, long pants and gloves, to reduce irritation.

Eye Protection: Goggles or safety glasses with side shields are recommended.

Work / Hygienic Practices: Exposed skin areas should be washed with soap and cool water after working with product. Clothing should be laundered separately from other clothes. Handle product using good industrial hygiene and safety practices. Avoid unnecessary dust exposures when cutting or abrading by using adequate local or general ventilation.

Section 9: Spill Leak and Disposal Procedures

Action to Take For Spills (Use Appropriate Safety Equipment): Not Applicable

Waste Disposal Method: Dispose in accordance with federal, state and local regulations. The primary method of disposal is in a municipal or industrial landfill.

EPA Hazardous Waste Number: 1RW DSSOLFDEOH WKLV PDWHULDO LV QRW UHJXODWHG XQGHU WKH '5&5\$' hazardous waste regulations.

Section 10: Special Precautions and Additional Information

Precautions to Be Taken In Handling and Storage: None

Department of Transportation Information:

Hazardous Material Proper Shipping Name: Not Regulated by D.O.T.

Hazard Class: Not Applicable

UN Identification Number: None

Additional Information: None

Section 11: Other Information

Preparation Information: Stevens Roofing Systems

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