



MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Product Name(s): FoamSealR™

Manufacturer: Owens-Corning, World Headquarters, One Owens-Corning Parkway
Attn. Product Stewardship, Toledo, OH, 43659,
Telephone: 1-419-248-8234 (8am-5pm ET weekdays).

Emergency Contacts:

Emergencies ONLY (after 5pm ET and weekends): 1-419-248-5330,
CHEMTREC (24 hours everyday): 1-800-424-9300.
CANUTEC (Canada - 24 hours everyday): 1-613-996-6666.

Health and Technical Contacts:

Health Issues Information (8am-5pm ET): 1-419-248-8234,
Technical Product Information (8am-5pm ET): 1-800-GET-PINK.

Section 2: Composition and Ingredient Information

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Polyethylene*	Polyethylene	9002-88-4	85-100
Hydrocarbon Gas	Hydrocarbon Gas	Mixture	0 - 5
Glycerol Stearate	Glycerol Stearate	Proprietary	0 - 2
Colorant	Colorant	Proprietary	0 - 1

Note: See Section 8 of MSDS for exposure limit data for ingredients.

* This foam product was manufactured with a flammable hydrocarbon gas (blowing agent). The blowing agent off-gasses during the manufacturing process prior to shipment. Residual blowing agent may gradually off-gas during storage, fabrication or use of "freshly manufactured" polyethylene foam. Small amounts of residual blowing agent may be present or released from "aged" foam.



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Section 3: Hazards Identification

Appearance and Odor: Pink sheets or rolls of foam with no odor.

Emergency Overview

No unusual conditions are expected from this product after it is aged. Freshly expanded, cut or heated foam may off-gas hydrocarbon gas which can accumulate at hazardous concentrations above the Lower Explosion Limit (LEL) if stored in closed containers or confined areas. To prevent ignition, avoid smoking, keep from open flames and high temperatures. Foam can burn and emit an irritating smoke. Grinding, cutting, sawing or fabrication activities that cut large numbers of interior foam cells can release localized amounts of flammable residual blowing agent or release dust particles that under certain conditions may ignite or form explosive dust atmospheres.

Primary Route(s) of Exposure: inhalation, skin, eye

Potential Health Effects:

ACUTE (short term) Breathing dust may cause coughing, temporary mechanical irritation of upper respiratory tract (nose, throat) and lungs. Eye contact with foam dust may cause mild mechanical irritation, redness, tearing and blurred vision. Fumes released from heated processing or hot cutting operations may irritate eyes and respiratory tract.

CHRONIC (long term): There are no known chronic health effects connected with long term use or contact with this product. See Section 11 of MSDS for toxicological data.

Medical Conditions Aggravated by Exposure: Treat symptomatically. Specific data are not available which address medical conditions that are generally recognized as being aggravated by exposure to this product. However, chronic respiratory or eye conditions may worsen from exposure to these products.



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Section 4: First Aid Measures

Inhalation: Move person to fresh air. If breathing is difficult or irritation persists, seek medical attention.

Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation develops.

Skin Contact: Wash with mild soap and running water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention

Ingestion: Ingestion of this material is unlikely. If ingested, do not induce vomiting and seek medical attention. Watch person for several days to make sure that intestinal blockage does not occur.

Section 5: Fire Fighting Measures

Flash Point: Not Determined ^(a)
^(a) -120 °F (- 84°C) for hydrocarbon gas blowing agent

Flammability Limits (%): 1.8% LEL to 8.5% UEL by volume (blowing agent)

Auto Ignition Temperature: Not Available

Extinguishing Media: Use water spray, water fog, or dry chemical extinguishing media.

Unusual Fire and Explosion Hazards: Flammable hydrocarbon gas may be emitted from freshly expanded foam, processing foam or if product is heated. Hazardous concentrations may accumulate inside a sealed container or within confined areas. If ignited, there may be a very high rate of flame propagation and/or an associated explosion. Assure proper ventilation of storage or shipping containers to prevent accumulation of hazardous concentrations of off-gassed hydrocarbon gas.

Grinding, sawing, or fabrication activities that cut large numbers of interior foam cells can release localized amounts of flammable residual blowing agent or generate dust particles that under certain conditions may ignite or form explosive dust atmospheres.

Fire Fighting Instructions: Use self contained breathing apparatus (SCBA) and Protective Clothing Ensemble recommended as defined in NFPA 1500, 1997 or as updated.



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Hazardous Combustion Products: Burning foam emits an irritating smoke. Primary combustion products are carbon monoxide, carbon dioxide and complex hydrocarbon compounds. Other undetermined hydrocarbon fractions may be released in small quantities.

Section 6: Accidental Release Measures

Land Spill: Scoop up or vacuum material and put into suitable container for disposal as a non-hazardous waste.

Water Spill: This material will float and disperse with wind and current. Contain the material with booms and pick up or remove with a vacuum truck. It can not easily be removed after it is waterborne; however, the material is non-hazardous in water.

Air Release: This material will settle out of the air. It can then be scooped up or vacuumed for disposal as a non-hazardous waste.

Section 7: Storage and Handling

Storage & Use Temperature: Do not store or expose product to temperatures above 160 °F (> 71 °C).

Storage Pressure: Not applicable.

General: Store only in a well ventilated area. Assure storage containers or storage areas and shipping containers are adequately ventilated. Avoid containment of large amounts of foam in poorly ventilated area or containers. Flammable vapors of hydrocarbon gas (blowing agent) may accumulate in hazardous concentrations if large quantities of foam are confined in a poorly ventilated area or container. Do not store near heated equipment. "No Smoking - No Matches - No Lighters - No Sparks or Welding" rules should be enforced.

Section 8: Exposure Controls and Personal Protection



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<u>Ingredient</u>	<u>OSHA PEL</u> (8-hr TWA)	<u>ACGIH TLV</u> (8-hr TWA)
Polyethylene Foam ^(a)	15 mg/m ³ (total dust)	10 mg/m ³ (inhalable fraction)
	5 mg/m ³ (respirable dust)	3 mg/ m ³ (respirable PNOC)
Hydrocarbon Gas	800 ppm	800 ppm
Glycerol Stearate	None Established	None Established
Colorant	None Established	None Established

^(a) Specific exposure limits have not been established for this material. Recommend following exposure limits for particulates not otherwise regulated (PNOR) or classified (PNOC).

Ventilation: Provide sufficient local and/or general exhaust ventilation to maintain exposure levels below the occupational exposure limits and to prevent accumulation of hazardous concentrations of “off-gassed” hydrocarbon gas blowing agent or dusts. (see Section 5).

Personal Protection:

Respiratory Protection: If dusts are generated, wear a properly fitted NIOSH/MSHA approved disposable dust respirator such as the 3M model 8210 (formerly 8710) or model 8271 (formerly 9900) in high humidity environments) or equivalent. Wear a supplied air respirator when exposures to hydrocarbons exceed the occupational exposure limits. Use respiratory protection in accordance with your company's respiratory protection program, local regulations and OSHA regulations under 29 CFR1910.134.

Skin Protection: Gloves, long sleeved shirt, long pants, as needed.

Eye Protection: Safety glasses or goggles.

Work and Hygienic Practices: Handle using good industrial hygiene and safety practices. Avoid unnecessary dust exposures when cutting or abrading by using adequate local exhaust or general ventilation.

Section 9: Physical and Chemical Properties



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Vapor Pressure: Not Applicable

pH: Not Applicable

Vapor Density (Air=1): Not Applicable

% Volatile (by volume): Nil

Density: 20 – 200 Kg/m³

Melting Point: 230 °F (110 °C)

Solubility in Water: Insoluble

Viscosity: Solid

Appearance: Pink foam sheets

Physical State: Solid

Odor Type: None

Freezing Point: Not Applicable

Evaporation Rate (n-Butyl Acetate=1): Not Applicable

Section 10: Stability and Reactivity

General: Stable

Incompatible Materials and Conditions to Avoid: High temperature, poor ventilation combined with freshly expanded product may create hazardous, explosive or fire conditions.

Hazardous Decomposition Products: None. See Section 5 of MSDS for combustion products statement.

Hazardous Polymerization: Will not occur.



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Section 11: Toxicological Information

CARCINOGENICITY: The table below indicates whether or not each agency has listed each ingredient as a carcinogen:

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Polyethylene Foam	No	No	No	No
Hydrocarbon Gas	No	No	No	No
Glycerol Stearate	No	No	No	No
Colorant	No	No	No	No

	<u>LD₅₀ Oral</u>	<u>LD₅₀ Dermal</u>	<u>LC₅₀ Inhalation</u>
Polyethylene Foam	Not Available	Not Available	Not Available
Hydrocarbon Gas	Not Available	Not Available	Not Available
Glycerol Stearate	Not Available	Not Available	Not Available
Colorant	Not Available	Not Available	Not Available

Section 12: Ecological Information

This product is inert in the environment and not expected to biodegrade. This material is not be toxic to animals, plants or fish.



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Section 13: Disposal Considerations

RCRA Hazard Class: Non-hazardous.

Section 14: Transport Information

Transport large amounts of polyethylene foam only in well ventilated vehicles. Be cautious when opening up vehicles containing large amounts of polyethylene foam to avoid any possible sources of ignition (for example lit tobacco products, sparks, open flames) near foam and the vehicle.

DOT Shipping Names: Not regulated.

Hazard Class or Division: None

Secondary: None

Transportation of Dangerous Goods – Canada

Proper Shipping Name: Not Regulated

TDG Hazard Classification: (Primary): None (Secondary): None



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Section 15: Regulatory Information

TSCA Status: Each ingredient is on the Inventory or is not required to be listed.

NSR Status (Canada): Each ingredient is on the DSL or is not required to be listed.

SARA Title III:

Hazard Categories:

Acute Health: No
Chronic Health: No
Fire Hazard: No
Pressure Hazard: No
Reactivity Hazard: No

Reportable Ingredients:

Sec. 302/304: None
Sec. 313: None

California Proposition 65: None.

Clean Air Act: No ingredients are listed.

WHMIS (Canada) Status: Not controlled

WHMIS Classifications: None

Section 16: Other Information

<u>HMIS and NFPA Hazard Rating:</u>	<u>Category</u>	<u>HMIS</u>	<u>NFPA</u>
	Acute Health	0	0
	Flammability	1	1
	Reactivity	0	0

NFPA Unusual Hazards: None.

HMIS Personal Protection: To be supplied by user depending upon use.

Revision Summary: This is a new MSDS. Read it carefully.

Get OC Product MSDS electronically via Internet: <http://www.owenscorning.com>