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Personal Protective Equipment		DOT Pictograms
		<b>NOT REGULATED</b>
Protective Gloves	Safety Glasses	

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** **Foamular® Extruded Polystyrene Insulation**

**MSDS Manufacturer Number:** 21528-NAM-EN

**Synonyms:** Foamular® 150, Foamular® 250, Foamular® 350, Foamular® 400, Foamular® 404, Foamular® 600, Foamular® 604, Foamular® 1000, Foamular® CW15, Foamular® CW25, Foamular® LT30, Foamular® LT40, Foamular® 404RB, Foamular® 604RB, Foamular® AgTek, Foamular® PROPINK®, Foamular® DURAPINK®, Foamular® PINKCORE®, Foamular® PINKCORE® TT, Foamular® Half-Inch, Foamular® INSULPINK®, Foamular® THERMAPINK®, Foamular® DURAPINK® FA, Foamular® DURAPINK® Plus, Foamular® INSULPINK® - Z, Foamular® THERMAPINK® 18, Foamular® THERMAPINK® 25, Foamular® THERMAPINK® 40, Foamular® THERMAPINK® 60, Foamular® Extruded Polystyrene, Foamular® Insulating Sheathing, Foamular® INSUL-DRAIN®, Foamular® PinkForm-Xtra ; Foamular® OC LiteForm

**Manufacturer Name:** Owens Corning Foam Insulation, LLC

**Address:** One Owens Corning Parkway  
Toledo, OH 43659

**Customer Service Phone Number:** 1-800-GET-PINK or 1-800-438-7465

**Health Issues Information:** 1-419-248-8234 (8am-5pm ET)

**Technical Product Information:** 1-800-GET-PINK or 1-800-438-7465

**Emergency Phone Number:** 1-419-248-5330 (after 5pm ET and weekends)

**CHEMTREC:** 800-424-9300 (24 hours everyday)

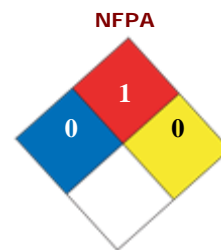
**Canotec:** (613) 996-6666 (Canada 24 hours everyday)

**Website:** www.owenscorning.com

**MSDS Creation Date:** 03/05/1997

**MSDS Revision Date:** 09/25/2007

**MSDS Format:** According to ANSI Z400.1-2004



## HMIS

Health Hazard	0
Fire Hazard	1
REACTIVITY	0
Personal Protection	X

\* Chronic Health Effects:

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
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Polystyrene	9003-53-6	80 - 90 by weight
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Talc	14807-96-6	0 - 2 by weight
1-Chloro-1, 1-difluoroethane (HCFC-142B)	75-68-3	7 - 12 by weight
Hexabromocyclododecane	3194-55-6	0.5 - 1.5 by weight

**Non-Hazardous Statement:** The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

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## SECTION 3 - HAZARDS IDENTIFICATION

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### **Applies to Product :**

<b>Emergency Overview:</b>	Dense Black Smoke will be produced during a fire. Grinding, sawing or fabrication activities can produce dust particles which under certain conditions may ignite or form explosive dust atmospheres.
<b>Route of Exposure:</b>	Eye contact Inhalation
<b>Potential Health Effects:</b>	
<b>Eye:</b>	Dust may cause slight irritation.
<b>Skin:</b>	No effects expected.
<b>Inhalation:</b>	Dust may cause irritation of respiratory tract.
<b>Ingestion:</b>	Ingestion of this product is unlikely.
<b>Chronic Health Effects:</b>	There is no known chronic health effect connected with long-term use or contact with this product.
<b>Carcinogenicity:</b>	This material is not considered a carcinogen
<b>Potential Environmental Effects:</b>	There is no known ecological information for this material.
<b>Aggravation of Pre-Existing Conditions:</b>	Chronic respiratory or skin conditions may temporarily worsen from exposure to this product
<b>OSHA Regulatory Status:</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
<b>Appearance and Odor:</b>	Pink, white or green closed-cell foam board with no odor.

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## SECTION 4 - FIRST AID MEASURES

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<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Do not rub or scratch eyes If eye irritation persists, consult a specialist
<b>Skin Contact:</b>	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
<b>Inhalation:</b>	Move to fresh air If symptoms persist, call a physician
<b>Ingestion:</b>	Accidental ingestion of this material is unlikely If this does occur, watch person for several days to make sure intestinal blockage does not occur Rinse mouth with water and drink water to remove fibers from the throat If symptoms persist, call a physician

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## SECTION 5 - FIRE FIGHTING MEASURES

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<b>Flammable Properties:</b>	Non Flammable.
<b>Flash Point:</b>	> 615 °F (324 °C)
<b>Flash Point Method:</b>	ASTM D 1929
<b>Auto Ignition Temperature:</b>	Not applicable.
<b>Lower Flammable/Explosive Limit:</b>	Not applicable.
<b>Upper Flammable/Explosive Limit:</b>	Not applicable.
<b>Extinguishing Media:</b>	dry chemical foam carbon dioxide (CO2) water fog
<b>Unsuitable Media:</b>	None

Protective Equipment:	Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear
Unusual Fire Hazards:	Grinding, sawing or fabrication activities can produce dust particles which under certain conditions may ignite or form explosive dust atmospheres.
Hazardous Combustion Byproducts:	Carbon monoxide carbon dioxide styrene Small quantities of hydrogen fluoride, hydrogen chloride, fluorine and chlorine could be released. Other undetermined compounds could be released in small quantities.
Universal Fire And Explosion Hazards:	Not available.
	HCFC-142b thermally decomposes at > 430°C (850°F). Decomposition products include: Hydrogen fluoride, hydrogen chloride, fluorine, and chlorine.

**NFPA Ratings:**

NFPA Flammability:	1
NFPA Health:	0
NFPA Reactivity:	0
NFPA Other:	

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Avoid contact with skin and eyes.
Methods for containment:	This material will settle out of the air. Prevent from spreading by covering, diking or other means.
Methods for cleanup:	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination Avoid dry sweeping Pick up and transfer to properly labelled containers After cleaning, flush away traces with water
Other Precautions:	Does not apply

## SECTION 7 - HANDLING and STORAGE

Handling:	Avoid dust formation Do not breathe dust. Wear personal protective equipment
Storage:	Keep product in its packaging until use to minimize potential dust generation. Material should be kept dry and undercover.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits. Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools. Vacuum or wet clean-up methods should be used. 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.
Eye/Face Protection:	Safety glasses with side-shields
Skin Protection Description:	protective gloves Long sleeved shirt and long pants
Respiratory Protection:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations:	Wash hands before breaks and immediately after handling the product Remove and wash contaminated clothing before re-use

### EXPOSURE GUIDELINES

	Guideline	Guideline	Guideline	Ontario Canada	Mexico

	OSHA	NIOSH	ACGIH		
Polystyrene	5 mg/m3, Respirable, 10 mg/m3, Total Particulates Not Otherwise Classified (PNOC)		3 mg/m3, respirable, 10 mg/m3, inhalable particles (NOS)	3 mg/m3, respirable, 10 mg/m3, inhalable Particulates (Insoluble) Not Otherwise Classified	
Talc		REL-TWA: 2 mg/m3 (Respirable)	TLV-TWA: 2 mg/m3 (Respirable)	TWAEV-TWA: 2 f/cc (Respirable)	VEMP-TWA: 3 mg/m3 (Respirable)

## SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Solid
Physical State Appearance:	Foam
Color:	Pink, white or green
Odor:	No detectable odor
Boiling Point:	Decomposes over 600 °F (316 °C)
Melting Point:	Softens @ 220 °F (104 °C)
Specific Gravity:	0.021-0.064 (Ref: water = 1)
Solubility:	insoluble in water.
Vapor Density:	No Data
Vapor Pressure:	No Data
Evaporation Rate:	No Data
pH:	No Data
Flash Point:	> 615 °F (324 °C)
Flash Point Method:	ASTM D 1929
Auto Ignition Temperature:	Not applicable.

## SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions
Hazardous Polymerization:	Hazardous polymerization does not occur
Conditions to Avoid:	Dust dispersion in air
Incompatible Materials:	Hydrocarbons esters Amines
Special Decomposition Products:	See Section 5 of MSDS for hazardous decomposition products during a fire

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Applies to Product :

Acute Toxicity:	Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.
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Carcinogens:						
	ACGIH	NIOSH	OSHA	IARC	NTP	MEXICO
Polystyrene				Group 3 - Not Classifiable as to its Carcinogenicity to Humans		
Talc	A4 Not Classifiable as a Human Carcinogen			Group 2A - Possibly carcinogenic to humans		A4 Not Classifiable as a Human Carcinogen

### Applies to Product :

Sensitization: No information available.  
Mutagenicity: No information available.  
Reproductive Toxicity: No information available.  
Teratogenicity: No information available.  
Neurological Effects: No information available.

**Talc :**

Skin: Skin - Human Standard Draize Test : 300 ug/3D-I - [mild](RTECS)  
Inhalation: Inhalation - Rat TCLo: 17 mg/m3/6H/26D (intermittent) [Lungs, Thorax, or Respiration - other changes]  
Inhalation - Mouse TCLo: 20400 ug/m3/6H/26D (intermittent) [Lungs, Thorax, or Respiration - other changes]  
Inhalation - Rat TCLo: 18 mg/m3/6H/2Y (intermittent) [Tumorigenic - carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration - bronchiogenic carcinoma; Endocrine - tumors]  
Inhalation - Rat TC: 11 mg/m3/1Y (intermittent) [Tumorigenic - equivocal tumorigenic agent by RTECS criteria; Lungs, Thorax, or Respiration - tumors] (RTECS)

**1-Chloro-1, 1-difluoroethane (HCFC-142B) :**

Inhalation: Inhalation - Mouse LC50: 1758000 mg/m3/2H [Details of toxic effects not reported other than lethal dose value.  
Inhalation - Rat LC50: 2050000 mg/m3/4H [Details of toxic effects not reported other than lethal dose value.(RTECS)

**Hexabromocyclododecane :**

Skin: Skin - Rabbit LD50: >8 gm/kg [Details of toxic effects not reported other than lethal dose value.](RTECS)  
Ingestion: Inhalation - Rat LD50: >10 gm/kg [Details of toxic effects not reported other than lethal dose value.](RTECS)

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## SECTION 12 - ECOLOGICAL INFORMATION

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**Applies to Product :**

Ecotoxicity: This material is not expected to cause harm to animals, plants or fish  
Environmental Fate: No data available for this product.  
Bioaccumulation: Not available.  
Biodegradation: Not available.  
Mobility In Environmental Media: Not available.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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**Applies to Product :**

Waste Disposal: Dispose of in accordance with Local, State, Federal and Provincial regulations  
Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal  
RCRA Number: No EPA Waste Numbers are applicable for this product's components  
RCRA Characteristics: This material is not expected to be a characteristic hazardous waste under RCRA.

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## SECTION 14 - TRANSPORT INFORMATION

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DOT Shipping Name: Not Regulated  
IATA Shipping Name: Not Regulated  
Canadian Shipping Name: Not Regulated  
IMDG Shipping Name : Not Regulated  
ADR Shipping Name : Not Regulated  
RID Shipping Name : Not Regulated  
ICAO Shipping Name: Not Regulated  
MEX Shipping Name : Not Regulated

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## SECTION 15 - REGULATORY INFORMATION

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### Inventory Status

	Japan ENCS	ELINCS	EINECS Number	PICCS	South Korea KECL
Polystyrene	(6)-120	500-008-9			KE-13257
Talc			238-877-9	Listed	KE-32773
1-Chloro-1, 1-difluoroethane (HCFC-142B)			200-891-8		KE-05597
Hexabromocyclododecane			221-695-9	Listed	KE-18398

	Australia AICS	Canada DSL	EINECS Inventory Status	TSCA Inventory Status	
Polystyrene	Listed	Listed	No	Listed	
Talc	Listed	Listed	Yes	Listed	
1-Chloro-1, 1-difluoroethane (HCFC-142B)	Listed	Listed	Yes	Listed	
Hexabromocyclododecane	Listed	Listed	Yes	Listed	

**Applies to Product :**

**Canada Reg. Status:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

**Canada WHMIS:**

Not controlled.

**CA PROP 65:**

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
This product does not contain any Proposition 65 chemicals

**Section 311/312 Hazard Categories:**

Acute Health Hazard: No  
Chronic Health Hazard: No  
Risk of ignition: No  
Sudden Release of Pressure Hazard: No  
Reactive Hazard: No

**Clean Air Act:**

This product does not contain any Hazardous Air Pollutants (HAPs)

**1-Chloro-1, 1-difluoroethane (HCFC-142B) :**

**Canada IDL:**

Identified under the Canadian Hazardous Products Act Ingredient Disclosure List:  
1% Item: 357(425)

**Section 313:**

Listed

**State Right to Know**

**Talc**

**All State Information:**

**1-Chloro-1, 1-difluoroethane (HCFC-142B)**

**All State Information:**

	RI	MN	IL	PA	MA
Polystyrene	-	-	-	-	-
Talc	Listed	Listed	-	Listed	Listed
1-Chloro-1, 1-difluoroethane (HCFC-142B)	-	-	-	Listed	Listed
Hexabromocyclododecane	-	-	-	-	-

	NJ				
Polystyrene	-				
Talc	-				
1-Chloro-1, 1-difluoroethane (HCFC-142B)	Listed				
Hexabromocyclododecane	-				

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HMIS Fire Hazard:	1
HMIS Health Hazard:	0
HMIS Reactivity:	0
HMIS Personal Protection:	X
MSDS Creation Date:	03/05/1997
MSDS Revision Date:	09/25/2007
MSDS Revision Notes:	Format Update
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