



Personal Protective Equipment Protective Gloves Safety Glasses	WHMIS Pictograms Not Controlled	DOT Pictograms Not Regulated	IATA Pictograms Not Regulated
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SECTION 1 - IDENTIFICATION

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

MSDS Manufacturer Number: 21528-GHS

Synonyms: Buoyancy Billet, 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)

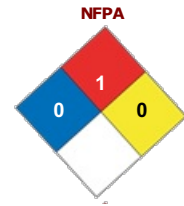
Website: www.owenscorning.com

MSDS Creation Date: March 05, 1997

MSDS Revision Date: October 25, 2010

MSDS Format: According to GHS Revision 3

GHS Class: Non hazardous.



HMIS

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	X

* Chronic Health Effects

SECTION 2 - HAZARD(S) IDENTIFICATION

Applies to Product

Emergency Overview: 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.

Route of Exposure: Eye contact
Inhalation

Potential Health Effects:

Eye: Dust may cause slight irritation.

Skin: No effects expected.

Inhalation: Dust may cause irritation of respiratory tract.

Ingestion: Ingestion of this product is unlikely.

Chronic Health Effects: There is no known chronic health effect connected with long-term use or contact with this product.

Carcinogenicity:	This material is not considered a carcinogen.
Potential Environmental Effects:	There is no known ecological information for this material.
Aggravation of Pre-Existing Conditions:	Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.
Appearance and Odor	Pink, white or green closed-cell foam board with no odor.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Polystyrene	9003-53-6	80 - 90 by weight
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

SECTION 4 - FIRST AID MEASURES

Eye Contact:	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.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. If symptoms persist, call a physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Non Flammable.
Flash Point:	> 615 °F (324 °C)
Flash Point Method:	ASTM D 1929
Auto Ignition Temperature:	Not applicable.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	dry chemical foam carbon dioxide (CO2) water fog
Unsuitable Media:	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. HCFC-142b thermally decomposes at > 430°C (850°F). Decomposition products include: Hydrogen fluoride, hydrogen chloride, fluorine, and chlorine.
Universal Fire And Explosion Hazards:	Not available.

NFPA Ratings:

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

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. Avoid dry sweeping. Pick up and transfer to properly labeled 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. Product 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 airborne particulate/dust 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

Ingredient	Guideline OSHA	Guideline ACGIH	New Zealand	Australia	
Polystyrene	5 mg/m ³ , Respirable, 10 mg/m ³ , Total Particulates Not Otherwise Classified (PNOC)	3 mg/m ³ , respirable, 10 mg/m ³ , inhalable particles (NOS)	WES-TWA: 3 mg/m ³ Respirable fraction (R) WES-TWA: 10 mg/m ³	2 mg/m ³ , respirable fumes	
Talc		TLV-TWA: 2 mg/m ³ (Respirable)		NES-TWA: 2.5 mg/m ³	

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.

Carcinogens:						
	ACGIH	NIOSH	OSHA	IARC	NTP	MEXICO
Polystyrene	No Data	No Data	No Data	Group 3 - Not Classifiable as to its Carcinogenicity to Humans.	No Data	No Data
Talc	A4 Not Classifiable as a Human Carcinogen	No Data	No Data	Group 2A - Probably carcinogenic to humans.	No Data	A4 Not Classifiable as a Human Carcinogen
1-Chloro-1, 1-difluoroethane (HCFC-142B)	No Data	No Data	No Data	No Data	No Data	No Data
Hexabromocyclododecane	No Data	No Data	No Data	No Data	No Data	No Data

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 :

RTECS Number: WW2710000
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)

SECTION 12 - ECOLOGICAL INFORMATION

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.

SECTION 13 - DISPOSAL CONSIDERATIONS

Applies to Product :

Waste Disposal:	Dispose of in accordance with Local, State, Federal and Provincial regulations.
RCRA Number:	No EPA Waste Numbers are applicable for this product's components.

SECTION 14 - TRANSPORT INFORMATION

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.

SECTION 15 - REGULATORY INFORMATION

Applies to Product :

Canada WHMIS:	Not controlled.
EU Class:	Non regulated.

Polystyrene :

TSCA Inventory Status:	Listed
EINECS Inventory Status:	No
EINECS Number:	500-008-9
ELINCS:	500-008-9
Japan ENCS:	(6)-120
Canada DSL:	Listed
South Korea KECL:	KE-13257
Australia AICS:	Listed

Talc :

TSCA Inventory Status:	Listed
EINECS Inventory Status:	Yes
EINECS Number:	238-877-9 238-877-9
South Korea KECL:	KE-32773
Australia AICS:	Listed
Philippines PICCS:	Listed

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

TSCA Inventory Status:	Listed
EINECS Inventory Status:	Yes
EINECS Number:	200-891-8

Section 313:	Listed
Canada DSL:	Listed
Canada IDL:	Identified under the Canadian Hazardous Products Act Ingredient Disclosure List: 1%. Item: 357(425)
South Korea KECL:	KE-05597
Australia AICS:	Listed
Philippines PICCS:	Listed
<u>Hexabromocyclododecane:</u>	
TSCA Inventory Status:	Listed
EINECS Inventory Status:	Yes
EINECS Number:	221-695-9
Canada DSL:	Listed
South Korea KECL:	KE-18398
Australia AICS:	Listed
Philippines PICCS:	Listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Health Hazard:	0
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Personal Protection:	X
MSDS Creation Date:	March 05, 1997
MSDS Revision Date:	October 25, 2010
MSDS Revision Notes:	Added new product
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