SAFETY DATA SHEET

Personal Protective Equipment

Protective Gloves | Safety Glasses

IATA Pictograms

Not Regulated

SECTION 1 : IDENTIFICATION

Product Name:	**Foamular® Extruded Polystyrene Insulation**
SDS Manufacturer Number:	21528-SAM-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
Website:	www.owenscorning.com
Customer Service Phone Number:	1-800-438-7465
Health Issues Information:	1-800-438-7465
Technical Product Information:	1-800-438-7465
CHEMTREC:	800-424-9300 (24 hours everyday).
SDS Creation Date:	March 05, 1997
SDS Revision Date:	August 12, 2010

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.
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
1-Chloro-1, 1-difluoroethane (HCFC-142B)	75-68-3	7 - 12 by weight
Talc	14807-96-6	0 - 2 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.

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

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.
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

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.

EXPOSURE GUIDELINES

Ingredient	Guideline OSHA	Guideline NIOSH	Guideline ACGIH	Ontario Canada	Mexico
Polystyrene	5 mg/m3, Respirable fraction (R), 10 mg/m3, Total Particulates. (PNOC)		3 mg/m3, Respirable fraction (R), 10 mg/m3, Inhalable fraction (I) (NOS)	3 mg/m3, Respirable., 10 mg/m3, inhalable Particulates (Insoluble) Not Otherwise Classified.	
Talc		REL-TWA: 2 mg/m3 Respirable fraction (R)	TLV-TWA: 2 mg/m3 (Respirable.)	TWAEV-TWA: 2 f/cc (Respirable)	VEMP-TWA: 3 mg/m3 Respirable fraction (R)

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 over600 °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			IARC		Canada	MEXICO
Polystyrene	No Data			Group 3 - Not Classifiable as to its Carcinogenicity to Humans.			No Data
1-Chloro-1, 1-difluoroethane (HCFC-142B)	No Data			No Data			No Data
Talc	A4 Not Classifiable as a Human Carcinogen			Group 2A - Probably carcinogenic to humans.			A4 Not Classifiable as a Human Carcinogen
Hexabromocyclododecane	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.

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)

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)

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.

Biodegradation: Not available.

Bioaccumulation: 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.

SECTION 14 : TRANSPORT INFORMATION

IATA Shipping Name: Not Regulated.

MEX Shipping Name : Not Regulated.

SECTION 15 : REGULATORY INFORMATION

Inventory Status

	Japan ENCS	Philippines PICCS	South Korea KECL	Australia AICS	EINECS Inventory Status

Polystyrene	(6)-120		KE-13257	Listed	No.
1-Chloro-1, 1-difluoroethane (HCFC-142B)		Listed	KE-05597	Listed	Yes.
Talc		Listed	KE-32773	Listed	Yes.
Hexabromocyclododecane		Listed	KE-18398	Listed	Yes.

	TSCA Inventory Status				
Polystyrene	Listed				
1-Chloro-1, 1-difluoroethane (HCFC-142B)	Listed				
Talc	Listed				
Hexabromocyclododecane	Listed				

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: March 05, 1997

MSDS Revision Date: August 12, 2010

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