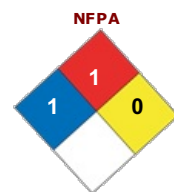


|                                                                                                                                                                    |                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>Personal Protective Equipment</b><br><br>Protective Gloves      Safety Glasses | <b>WHMIS Pictograms</b><br><b>Not Controlled</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|

## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name:</b>                  | <b>Foamular® Extruded Polystyrene Insulation - Zero Ozone Depletion Formula</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MSDS Manufacturer Number:</b>      | 10010796-NAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms:</b>                      | Buoyancy Billet, Foamular® 150, Foamular® 250, Foamular® 350, Foamular® 400, Foamular® 404, Foamular® 600, Foamular® 604, Foamular® 1000, Foamular® C-200, Foamular® C-300, Foamular® CodeBord®, Foamular® Cel-Lok®, Foamular® CW15, Foamular® CW25, Foamular® High-R CW Plus, 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®, Fabrication Billet |
| <b>Manufacturer Name:</b>             | Owens Corning Foam Insulation, LLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Address:</b>                       | One Owens Corning Parkway<br>Toledo, OH 43659                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Customer Service Phone Number:</b> | 1-800-GET-PINK or 1-800-438-7465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Health Issues Information:</b>     | 1-800-GET-PINK or 1-800-438-7465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Technical Product Information:</b> | 1-800-GET-PINK or 1-800-438-7465                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CHEMTREC:</b>                      | 800-424-9300 (24 hours everyday).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Canutec:</b>                       | (613) 996-6666 (Canada 24 hours everyday).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Website:</b>                       | www.owenscorning.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MSDS Creation Date:</b>            | March 06, 2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MSDS Revision Date:</b>            | September 09, 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



## SECTION 3 : HAZARDS IDENTIFICATION

### Applies to Product

|                                         |                                                                                                                                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Emergency Overview:</b>              | Dense Black Smoke will be produced during a fire.<br>Grinding, sawing or fabrication activities can produce dust particles which under certain conditions may ignite or form explosive dust atmospheres.<br>Flammable vapors may be produced in unventilated storage. |
| <b>Route of Exposure:</b>               | Eye contact<br>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>Appearance and Odor:</b>             | Pink, white or gray closed-cell foam board with no odor.                                                                                                                                                                                                              |

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name         | CAS#        | Ingredient Percent | EC Num.   |
|-----------------------|-------------|--------------------|-----------|
| Polystyrene           | 9003-53-6   | 80 - 95 by weight  | 500-008-9 |
| Blended Blowing Agent | Proprietary | 1 - 10 by weight   |           |

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

## SECTION 5 : FIRE FIGHTING MEASURES

|                                  |                                                                                                                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammable Properties:            | Combustible.                                                                                                                                                                                                                 |
| 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<br>foam.<br>carbon dioxide (CO2).<br>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.<br>Carbon dioxide.<br>styrene.<br>Small quantities of hydrogen fluoride, hydrogen chloride, fluorine and chlorine could be released.<br>Other undetermined compounds could be released in small quantities. |
| <b>NFPA Ratings:</b>             |                                                                                                                                                                                                                              |
| NFPA Health:                     | 1                                                                                                                                                                                                                            |
| 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.                                                                                                                                                                        |
| Methods for cleanup:     | Use an industrial vacuum cleaner with a high efficiency filter to clean up dust.<br>Avoid dry sweeping.<br>Pick up and transfer to properly labeled containers.<br>After cleaning, flush away traces with water. |

## SECTION 7 : HANDLING and STORAGE

|                              |                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Handling:                    | Extinguish all smoking or other ignition sources.<br>Avoid dust formation.<br>Do not breathe dust.<br>Wear personal protective equipment. |
| Storage:                     | To prevent build-up of flammable vapors, do not store large quantities of this product in unventilated spaces.                            |
| Special Handling Procedures: | Flammable vapors may be generated during unventilated storage of large amounts of this product.<br>(ex. storage trailers).                |

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

|                                 |                                                                                                                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls:           | Provide local exhaust and/or general ventilation.                                                                                                                                                                                          |
| Eye/Face Protection:            | Safety glasses with side-shields.                                                                                                                                                                                                          |
| Skin Protection Description:    | Protective gloves.<br>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. A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended. |
| General Hygiene Considerations: | Wash hands before breaks and immediately after handling the product.<br>Remove and wash contaminated clothing before re-use.                                                                                                               |

#### EXPOSURE GUIDELINES

| Ingredient  | Guideline OSHA                                                                                                         | Guideline ACGIH                                                                          | Ontario Canada                                                                                                                   |  |  |
|-------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--|--|
| Polystyrene | 5 mg/m <sup>3</sup> , Respirable,<br>10 mg/m <sup>3</sup> , Total<br>Particulate Not<br>Otherwise Classified<br>(PNOC) | 3 mg/m <sup>3</sup> , respirable,<br>10 mg/m <sup>3</sup> , inhalable<br>particles (NOS) | 3 mg/m <sup>3</sup> , respirable,<br>10 mg/m <sup>3</sup> , Inhalable<br>Particulates (Insoluble)<br>Not Otherwise<br>Classified |  |  |

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

|                            |                                 |
|----------------------------|---------------------------------|
| Physical State:            | Solid, Board, Pellets.          |
| Physical State Appearance: | Foam.                           |
| Color:                     | Pink, white or gray             |
| 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:          | Not applicable.                 |
| 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.<br>esters<br>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<br>Classifiable as to<br>its<br>Carcinogenicity<br>to Humans. | 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.                                                                                    |
| <b>Hexabromocyclododecane :</b> |                                                                                                              |
| 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

Notes : This product is not regulated for transportation or shipping.

## SECTION 15 : REGULATORY INFORMATION

### Inventory Status

|                        | Japan ENCS | EINECS Number | South Korea KECL | Australia AICS | Canada DSL |
|------------------------|------------|---------------|------------------|----------------|------------|
| Polystyrene            | (6)-120    | 500-008-9     | KE-13257         | Listed         | Listed     |
| Hexabromocyclododecane | Not listed | 221-695-9     | KE-18398         | Listed         | Listed     |

|                        | EINECS Inventory Status | TSCA Inventory Status |  |  |  |
|------------------------|-------------------------|-----------------------|--|--|--|
| Polystyrene            | Not listed              | Listed                |  |  |  |
| Hexabromocyclododecane | Listed                  | Listed                |  |  |  |

### Applies to Product :

|                                    |                                                                                                                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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):<br>This product does not contain any Proposition 65 chemicals. |
| Section 311/312 Hazard Categories: | Acute Health Hazard: No<br>Chronic Health Hazard: No<br>Risk of ignition: No<br>Sudden Release of Pressure Hazard: No<br>Reactive Hazard: No                                                        |
| Clean Air Act:                     | This product does not contain any Hazardous Air Pollutants (HAPs).                                                                                                                                  |

### Polystyrene :

EC Number: 500-008-9

### Hexabromocyclododecane :

EC Number: 221-695-9

### State Right To Know

|                        | RI      | MN      | IL      | PA      | MA      |
|------------------------|---------|---------|---------|---------|---------|
| Polystyrene            | No Data | No Data | No Data | No Data | No Data |
| Hexabromocyclododecane | No Data | No Data | No Data | No Data | No Data |

|                        |         |  |  |  |  |
|------------------------|---------|--|--|--|--|
|                        | NJ      |  |  |  |  |
| Polystyrene            | No Data |  |  |  |  |
| Hexabromocyclododecane | No Data |  |  |  |  |

## SECTION 16 : ADDITIONAL INFORMATION

**MSDS Creation Date:** March 06, 2009

**MSDS Revision Date:** September 09, 2013

**MSDS Revision Notes:** Constituent update

**Disclaimer:** Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

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