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SAFETY DATA SHEET

SECTION 1 - Identification

1.1 Product Identifier

Product Name • EPS Block and Board
Synonyms • Expanded Polystyrene

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use • Foam product development

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer • Carpenter Co.
5016 Monument Ave.
Richmond, Virginia 23230
(804) 233-0606

SECTION 2 - Hazards Identification

2.1 Classification of the Substance or Mixture

EPS Block and Board is an “article”, not a chemical, as defined in 29 CFR 1910.1200(c). Under normal conditions of use, this product, in the form in which it is shipped, does not pose a physical hazard or health risk and does not require a Safety Data Sheet. Because the product may become hazardous through downstream activities (e.g. processing, cutting) that may generate dust, as a service to our customers, Carpenter Co. has provided this Safety Data Sheet.

2.2 GHS Label Element

Not applicable.

2.3 Other Hazards

- If small particles are generated during further processing, handling or by other means, EPS Block and Board may form combustible dust concentrations in air.
- EPS foam is flammable.

SECTION 3 - Composition/Information on Ingredients

EPS Block and Board is an “article”, not a chemical, as defined in 29 CFR 1910.1200(c). Therefore, it does not meet the criteria of a substance or mixture.

SECTION 4 - First Aid Measures

4.1 Description of First Aid Measures

By route of inhalation	<ul style="list-style-type: none"> • Remove victim to fresh air.
By route of dermal contact	<ul style="list-style-type: none"> • Wash skin with soap and water.
By route of eye contact	<ul style="list-style-type: none"> • Flush with plenty of water. Remove larger particulates from the eye.
By route of ingestion	<ul style="list-style-type: none"> • If more than a mouthful is swallowed, give 1 to 2 glasses of water. Seek medical attention.

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media	<ul style="list-style-type: none"> • Dry chemical, foam, carbon dioxide, water fog or fine spray. Do not use direct water spray.
Unsuitable Extinguishing Media	<ul style="list-style-type: none"> • No data available.

5.2 Special Hazards Arising From the Substance or Mixture

- Emits oxides of carbon and irritating smoke.

5.3 Special Protective Actions for Firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing.

SECTION 6 - Accidental Release Measures

Not applicable

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Keep away from heat and ignition sources.
- Minimize dust generation and accumulation.
- No open flames, no sparks and no smoking.
- Routine housekeeping should be instituted to ensure that dusts does not accumulate on surfaces.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage	<ul style="list-style-type: none"> • Maintain adequate sprinkler protection where large volumes of product are stored. • Store in compliance with insurance regulations, local building codes or other legal requirements. Maintain aisle space to permit access for fire-fighting equipment and personnel to all EPS storage areas.
Incompatibilities	<ul style="list-style-type: none"> • Keep away from ignition sources.
Other Information	<ul style="list-style-type: none"> • No additional information.

SECTION 8: Exposure Controls/ Personal Protection**8.1 Control Parameters**

Exposure Limits/Guidelines

- OSHA has established PEL values of 15 milligrams per cubic meters (mg/m³) for total dust and 5 mg/m³ of respirable dust (8-hour TWA) for such particulates not otherwise regulated (PNOR).

8.2 Exposure Controls

Engineering Controls

- General ventilation.

Eye/Face Protection

- Safety glasses with side shields.

Respiratory Protection

- None required under normal use.

Skin Protection

- None required under normal use.

Environmental Exposure Controls

- No data available.

Additional Protection Measures

- None

SECTION 9: Physical and Chemical Properties**9.1 Information on Physical and Chemical Properties**

Material Description			
Physical Form	• Solid	Odor	• Slight hydrocarbon odor
Appearance	• No data available	Odor Threshold	• No data available
Color	• White		
General Properties			
Boiling Point	• Not measurable	Melting Point	• Not measurable
Decomposition Temperature	• No data available	pH	• Not measurable
Density	• No data available	Water Solubility	• Negligible
Solvent Solubility	• No data available	Viscosity	• No data available
Explosive Properties	• No data available	Oxidizing Properties	• No data available
Decomposition Temperature	• Not measurable	Specific Gravity/Relative Density	• <1.0 (H ₂ O=1)
Volatility			
Vapor Pressure	• Not measurable	Vapor Density	• Not measurable
Evaporation Rate	• Not measurable	VOC (Vol.)	• No data available
Volatiles (Vol.)	• No data available		
Flammability			
Flash Point	• No data available	LEL	• No data available
UEL	• No data available	Flammability (solid, gas)	• WILL BURN IN FIRE
Auto-ignition Temperature	• >800°F (ASTM-D-1929)		
Environmental			
Octanol/Water Partition Coefficient	• Not measurable		

9.2. Other Information

No additional information available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

Stable.

10.3 Possibility of Hazardous Reactions

No data available.

10.4 Conditions to Avoid

Heat, sparks and open flames.

10.5 Incompatible Materials

Aromatic solvents, strong oxidizing agents.

10.6 Hazardous Decomposition Products

No data available.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

No data available.

11.2 Potential Health Effects

Inhalation

- | | |
|---------|---|
| Acute | • Dust may cause irritation of the nose and throat. |
| Chronic | • None known. |

Skin

- | | |
|---------|---|
| Acute | • Residual amounts of dust or small particulates may cause skin irritation. |
| Chronic | • None known. |

Eye

- | | |
|---------|---|
| Acute | • Residual amounts of dust or small particulates may cause skin irritation. |
| Chronic | • None known. |

Ingestion

- | | |
|---------|---|
| Acute | • Not expected to be an ingestion hazard in normal use. |
| Chronic | • None known. |

SECTION 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other Adverse Effects

No data available

SECTION 13: Disposal Considerations

13.1 Waste Disposal Method

Treat as normal refuse in accordance with local, State, and Federal regulations.

SECTION 14: Transport Information

U.S. DOT

Not regulated as hazardous for shipment.

SECTION 15: Regulatory Information

15.1 Regulatory Status

CERCLA Hazardous Substances (40 CFR 302): None reportable.

SARA 311/312: None reportable.

SARA 313: None reportable.

15.2 US State Regulations

STATE RIGHT-TO-KNOW: To the best of our knowledge, this product contains no chemical known to the State of California to cause cancer, birth defects, or other reproductive harm. (California Health and Safety Code Section 25249.6).

15.3 International Inventories*

United States: All components of this product are listed on, or are exempt from the TSCA inventory.

SECTION 16: Other Information

16.1 NFPA RATINGS

NFPA Ratings

Health: 0

Flammability: 1

Instability: 0

Special: None

16.2 EU CLP Relevant Phrases

Not applicable

16.3 Preparation By

I.H. Department

16.4 Preparation Date

September 29, 2009

16.5 Last Revision Date

June 11, 2015

16.6 Disclaimer/Statement of Liability

WARNING

EPS FOAM IS FLAMMABLE. MODIFIED EPS LIKE MOST PLASTIC FOAMS IS FLAMMABLE. DO NOT EXPOSE EPS TO OPEN FLAMES OR OTHER DIRECT OR INDIRECT HIGH TEMPERATURE IGNITION SOURCES SUCH AS BURNING OPERATIONS, WELDING, BURNING CIGARETTES, SPACE HEATERS OR NAKED LIGHTS. WHEN BURNING, EPS WILL CONSUME OXYGEN, RELEASING GREAT HEAT AND SMOKE AND POTENTIALLY TOXIC GASES SUCH AS CARBON MONOXIDE AND CARBON DIOXIDE. DO NOT USE, INSTALL OR STORE EPS EXCEPT IN STRICT COMPLIANCE WITH BOCA, ICBO OR SBCCI CODES, AS WELL AS ANY FIRE-RELATED LAWS/ORDINANCES. FAILURE TO COMPLY WITH THESE CODES/LAWS MAY INCREASE THE RISK OF FIRE AND RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE FROM SMOKE, FLAMES OR WATER.

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