

## Safety Data Sheet –BC Expanded Polystyrene (EPS )

### Section 1 – product and company identification

1. **Product Name** Expanded Polystyrene – EPS cut board (unfaced, or faced with a polypropylene film) Also known as rigid cellular foam insulation
2. **Product Use** Exterior and interior continuous insulation for building envelopes, including foundation walls, above and below grade
3. **Manufacturer** Building chemistry Industry
4. **City, State & Zip** Damamm , Kingdom of Saudi arabia

### SECTION 2 – HAZARDOUS IDENTIFICATION

BC EPS cut 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,

### SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

Physical State	Solid
Color & Appearance	White core product. May or may not have a clear and/or metallized poly facer
Odor	Slight
Acute Health Effects	Slight inhalation hazard
Ingestion –	None expected
Skin –	None expected

Eye	- Solid or dust may cause irritation due to mechanical action
Systemic & other effects	- None expected
Chronic Health Effects	No appropriate human or animal data are known to exist or adverse chronic health effects from repeated or prolonged exposure to this material
GHS Classification	None
Label Elements	None
Signal Word	None
Hazard Statements	None
precautionary Statement	Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Avoid breathing dust and fumes. Wash thoroughly after handling. May accumulate combustible dust particles when sanding or sawing in restricted or confined spaces

1. Expanded Polystyrene Block – This product 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
2. Polypropylene Laminating Film – This product is not hazardous as defined in 29 CFR 1910.1200(c)

#### SECTION 4 – FIRST AID MEASURES

1. Eyes Immediately rinse with clean water for 20 – 30 minutes. Retract eyelids often during rinsing. If irritation or redness persists seek medical attention
2. Skin Mechanical injury only. Wash with soap and water
3. Ingestion Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If ingested seek medical attention
4. Inhalation If dust particles inhaled seek fresh air. If any irritation occurs seek medical opinion

#### SECTION 5 – FIRE FIGHTING MEASURES

Means of Extinction Dry Chemical, Water, Foam or CO<sub>2</sub>. Do not use direct water spray

Procedures Firefighters should be equipped with self-contained breathing apparatus to protect against irritating fumes

1. Fire & Explosion EPS products will progressively distort, soften and melt when exposed to temperatures in excess of 175°F. As exposures to temperatures continue to increase, combustion gases given off by molten residue will ignite in the presence of an open flame or other ignition sources

Flash Point 347-365°F, ASTM D3278

Self-ignition Not self-igniting

Other Information Fire gives off black smoke consisting of carbon monoxide (<10ppm), carbon dioxide (500 ppm), Oxides of nitrogen (4ppm), including trace amounts of pentane, aldehydes and ketones

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Sources of ignition should be kept well clear

Maintain proper ventilation in areas prone to static discharge (high dust environment) or products prone to combustion Do not allow to enter drains or

**SECTION 7 – HANDLING AND STORAGE**

Observe all applicable regulations when storing these products. Keep in dry, ventilated area. Avoid long exposure to sunlight

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ventilation	Use approved dust mask when sanding, sawing, or when working in high dust environment
Eye/face	Use approved safety goggles when applying fasteners, sanding or sawing
Skin	Approved gloves and/or sleeves should be worn if sensitive to material composition products
Respiratory	Avoid inhalation of smoke vapor if processing or burning
Content exceeding safe exposure limits	use NIOSH or MSHA approved air purifiers or air supplied respirators
Exposure Limits	OSHA has established PEL values of 15 milligrams per cubic meters (mg/m <sup>3</sup> ) for total dust and 5 mg/m <sup>3</sup> of respirable dust (8-hour TWA) for such particulates not otherwise regulated (PNOR)

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Form	Rigid cellular foam blocks and/or boards
Color	White
Odor	Faint odor
PH	Not applicable
Hazardous Polymerization	Does not occur
Hazardous Decomposition	No decomposition if used properly. In smoldering or flaming condition, CO, and CO <sub>2</sub>
Self-Ignition	Not self-igniting

Explosion Hazard	Not explosive
Conditions to avoid conditions	Sparks, open flame, other ignition sources and oxidizing
Melting Point	175° begins to soften
Water Solubility	Insoluble
Upper/Lower Explosive limit	Not applicable
Vapor Pressure	Not applicable
Odor Threshold	Not applicable
Vapor Density	Not applicable
Density	.90 – 1.6 pcs
Boiling Point	Not applicable
Flash Point	750°
Viscosity	Not applicable

**Section 10 – stability and reactivity**

Reactivity – no hazardous reactions known under conditions of normal use  
 chemical stability – product is stable at normal temperatures and conditions  
 conditions to avoid – heat, sparks, and open flames

Incompatibility – aromatic solvents and strong oxidizing agents  
 Hazardous decomposition – fire gives off black smoke consisting of carbon

monoxide (<10ppm), carbon dioxide (500 ppm), oxides of nitrogen (4ppm), including trace amounts of pentane, aldehydes and keyton

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Inhalation – Dust may cause irritation of the nose, throat, and upper respiratory tract

Skin contact – No irritation is likely to develop following contact with human skin

Skin absorption – This product will probably not be absorbed through human skin

Ingestion – The acute oral LD50 in rats is above 15,000 mg/kg. Relative to other materials this material is classified as relatively harmless by ingestion

Other effects of overexposure – Prolonged exposure to vapors may aggravate existing respiratory conditions, such as asthma, bronchitis and inflammatory or fibrotic respiratory disease

**Section 12 – ecological information**

There is a high probability that the product is not acutely harmful to aquatic organisms. No toxic effects occur within the range of solubility

The product has low solubility in the test medium. No toxic effects occur within the range of solubility

Aquatic plants – same as 2

No data available on biodegradation and elimination

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Disposal method – Dispose of material in accordance with local/regional/national regulations. Landfill solids at permitted sites. Recycle. This material is not considered a hazardous waste.

**SECTION 14 - TRANSPORTATION**

Us dot information – Not regulated

**SECTION 15 – REGULATORY INFORMATION**

Regulatory status: cercla Hazardous Substances (40 CFR 302): None reportable SARA  
311/312: None reportable  
SARA 313: None reportable

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)

The information in the SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, the above named manufacturer or supplier nor any of its subsidiaries assumes responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

This SDS was prepared and is to be used only for the products listed in Section 1. If the product is used as a component in another product, this SDS information may not be applicable.