

# Technical Bulletin Material Safety Data Sheet



**Truefoam Limited expanded polystyrene (EPS) products for construction applications made from raw materials containing combustion modifier**

Issued: June 2015

<b>Section 1: Product Information &amp; Company Information</b>		
<b>Products:</b> Trueboard, Truefloat, Truewall, Truefit, Trueroof, Truevent, Insulwall, Foundation Plus/Sheathing, Truefoam 300, Insulworks, Reward Wall, Iceblock, Geofoam, E.I.F.S.		
<b>Synonyms :</b> Expanded Polystyrene (EPS) foam plastic insulation		
<b>Product Grades:</b> CAN/ULC-S701-97 Trueboard Type 1, 2, and 3		
<b>Chemical Family:</b> Ethenylbenzene Homopolymer <b>Formula:</b> (C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub>		
<b>TSCA Inventory Status:</b> Listed		
<b>Supplier Corporate Office:</b> Truefoam Limited 11 Mosher Drive Dartmouth, Nova Scotia B3B 1L8 Technical Information: (902) 468 5440		
<b>Section 2: Composition/Ingredients</b>		
<b><u>Component:</u></b>	<b><u>CAS Registry No:</u></b>	<b><u>Approx. Weight Percentage:</u></b>
Pentane	109-66-0	0 to 1 % amounts rapidly decreasing with age
Flame Retardant	3322-93-8	0.9% max.
Coatings	N/A	0.5% max.
Polystyrene Thermoplastic	9003-53-6	98 to 99%
<b><u>Component Related Regulatory Information:</u></b> This product may be regulated, have exposure limits or other information identified as the following: Nuisance particles.		
<b><u>Component Information/Information on Non-Hazardous Components:</u></b> No additional information available.		
<b>Section 3: Health Hazards</b>		
<b><u>PRINCIPAL HEALTH HAZARDS, SIGNS &amp; SYMPTOMS OF EXPOSURE</u></b>		
<b>Eye Contact:</b> Dust or particles in eyes may cause mechanical eye irritation and/or injury.		
<b>Inhalation:</b> Dust from mechanical fabrication may cause upper respiratory tract irritation. Fumes from hot wire cutting can also cause upper respiratory tract irritation (see also section 8 of this MSDS).		
<b>Skin Contact:</b> Irritation from skin contact is rare. In a few individuals, contact may produce slight skin irritation.		
<b>Ingestion:</b> Product is biologically inert. If swallowed, it may act as an obstruction. Incompatibility (Materials to avoid): Product will dissolve in most organic solvents, and some insecticides, aldehydes and amines.		



**Section 4: First Aid**

**Eyes:** If dust or particles become lodged in eyes, rinse with clean water. Obtain medical attention if condition is painful.

**Inhalation:** If overcome by exposure, remove individual to fresh air. If symptoms persist, provide oxygen and obtain medical attention.

**Skin:** Contact is not expected to present a skin hazard. Wash exposed areas with mild soap and water. Consult physician if irritation persists.

**Ingestion:** Product is not expected to present significant ingestion hazard. If it does occur, watch the person for several days to make sure obstruction does not occur. Do not induce vomiting unless directed to by the physician.

**Section 5: Physical Data**

**Form:** Products consist of rigid cellular foam blocks, boards, and shapes

**Colour:** White

**Odour:** Very slight hydrocarbon odour

**Boiling Point:** N/A

**Melting Point:** Softens at 70 to 80 deg. Celsius

**Specific Gravity:** (Water = 1): 0.6 - 2.0

**Vapour Pressure:** N/A

**Volatile by Volume:** <4% (pentane & water)

**Vapour Density:** (Air = 1) N/A

**Evaporation Rate:** None

**Solubility in Water:** Insoluble

**Section 6: Fire & Explosion**

**Flash Point:** >345 Deg. Celsius using ASTM Test method D 1929

**Special Fire Fighting Instructions:** Fire fighters should wear self-contained breathing apparatus and personal protective clothing (turn out gear) in a sustained fire.

**Extinguishing Media:** Water fog, carbon dioxide, dry chemical, foam should be used.

Auto-ignition Temperature: 440 Deg. Celsius Min.

**Usual Fire & Explosion Hazards:** Burning may produce dense black smoke. Smoke consists of carbon monoxide, carbon dioxide, styrene, hydrogen halide, nuisance particle, carbon (soot) and pentane. Other undetermined hydrocarbon fractions could be released in trace quantities. Dust generated by fabrication (i.e., sanding, sawing, etc.) will increase fire hazard and should be handled accordingly.

**Section 7: Reactivity Data**

**Stability (Conditions to avoid):** Product is stable. However, exposure to fire and high temperatures must be avoided.

**Incompatibility (Materials to avoid):** Product will dissolve in hydrocarbons, esters, aldehydes and amines.

**Hazardous Decomposition:** Primary combustion products include carbon monoxide, carbon dioxide, styrene, hydrogen halide, nuisance particle, carbon (soot) and pentane. Other undetermined hydrocarbon fractions could be released in trace quantities.

**Hazardous Polymerization:** Will not occur.



### Section 8: Exposure Controls/Personal Protection

**General Control Measures for Hot-Wire Cutting:**

Provide sufficient general and/or local exhaust ventilation to maintain exposure below permissible personal exposure limit (PEL), or threshold limit value (TLV) for combustion products from hot wire cutting . Use local exhaust, where possible, in confined or enclosed places. Wear approved safety glasses/goggles and dust mask if mechanical fabrication is to take place.

**Personal Protective Equipment:**

**Respiratory Protection:** Use approved dust mask when sawing or sanding. Use approved NIOSH respirator when the PEL or TLV for combustion products from hot wire cutting, sawing, or sanding may be exceeded.

**Skin Protection:** Skin protection not normally required . Wear gloves and/ or sleeves , if sensitivity noted.

**Eye Protection:** Use approved safety glasses/goggles when sawing or sanding.

### Section 9: Spill or Leak Procedures

**Spill, Leak or Release Procedures:** Normal good housekeeping should be observed. Material can be swept or picked up and placed into a suitable container for disposal.

**Reportable Quantity:** None

**Disposal Method:** Recycle, incinerate (WTE) or landfill per local and provincial regulations.

### Section 10: Disposal Considerations

**General Product Information :** Material, if discarded, is not expected to be a characteristic hazardous waste.

**Disposal Instructions:** Dispose of waste material according to Local, State, Federal, and Provincial Environment Regulations.

### Section 11: Transportation Information

**Shipping Name:** Not regulated for transport

**Hazard Class:** None

**UN/NA #:** None **Packing**

**Group:** None

### Section 12: Special Precautions

**Storage & Handling:** Although expanded polystyrene contains a fire retardant additive, it is considered combustible and adequate protection from sources of ignition should be taken. **Combustibility Labeling:**

CAUTION: "THIS PRODUCT IS COMBUSTIBLE. A PROTECTIVE BARRIER OR THERMAL BARRIER IS REQUIRED AS SPECIFIED IN THE APPROPRIATE BUILDING CODE".

### Section 13: MSDS Information

The information contained herein is provided as a general reference. Truefoam Ltd. believes the data set forth herein to be accurate and the information is given in good faith. Truefoam Ltd. makes no guarantee or warranty and does not assume any liability with respect to the accuracy or completeness of such information.

**Prepared for:**

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**Date Issued:** June 2015