

EPS SAFETY DATA SHEET

1 Name of Product and Company

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| PRODUCT | Expanded Polystyrene (EPS) rigid insulation board, including Graphite EPS (GPS) material of various densities. |
| CHEMICAL NAME | Polystyrene Foam, (C ₈ H ₈) _n , with or without polyester or polypropylene film facers. |
| RECOMMENDED USE | Construction material, insulation, lightweight structural fill, geofoam, packaging, and other miscellaneous applications. |

2 Hazards Identification

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| HAZARD CLASSIFICATION | None |
| LABEL ELEMENTS | None |
| SIGNAL WORD | None |
| HAZARD STATEMENT(S) | None |
| OTHER HAZARDS | Low toxicity under normal conditions of handling and use. May form combustible dust concentrations in air if converted to small particles during handling or fabrication. |

3 Composition/Information on Ingredients

| COMMON NAME | CHEMICAL NAME | CAS NUMBER | WEIGHT |
|---------------------|---------------------|------------|---------|
| Polystyrene Foam | Polystyrene Polymer | 9003-53-6 | 95-100% |
| Pentane's (Isomers) | n-pentane | 109-66-0 | ≤2% |
| Flame Retardant | TS | TS | TS |

**Flammable blowing agent that off-gases from product. Most of the pentane off-gases prior to shipment.*

4 First Aid Measures

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| EYE CONTACT | Dust or particles may cause mechanical eye irritation and/or injury. Flush eyes thoroughly with water for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist. |
| INHALATION | Dust from mechanical fabrication may cause upper respiratory irritation. Fumes from hot wire cutting can also cause upper respiratory irritation. Move person to fresh air and keep comfortable for breathing. Loosen tight clothing such as collar, tie, belt or waistband to facilitate breathing. Obtain medical attention if symptoms persist. |
| SKIN CONTACT | No significant signs or symptoms indicative of any adverse health hazard are expected to occur because of absorption. May cause slight skin irritation from abrasion in a few individuals. Wash with mild soap and running water. Remove and launder contaminated clothing before reuse. If irritation develops, seek medical attention. |
| INGESTION | Ingestion of this material is unlikely. It is biologically inert and ingestion of small quantities of this material under normal circumstances would not cause harmful effects. If it does occur, do not induce vomiting; seek medical attention. |

5 Fire Fighting Measures

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| FLASH POINT | 698°F (370°C) |
| AUTO IGNITION | 850°F (454°C) |
| EXTINGUISHING MEDIA | Water fog, foam, carbon dioxide, dry chemicals |
| SPECIAL FIREFIGHTING PROTECTIVE EQUIPMENT | Use approved self-contained breathing apparatus with full face mask and personal protective clothing (turnout gear). |
| UNUSUAL FIRE AND EXPLOSION HAZARD/EQUIPMENT | Burning product may produce dense black smoke consisting of carbon (soot), carbon monoxide, carbon dioxide and water. Dust generated by fabrication, i.e., sanding, sawing, etc. will increase fire hazard and should be handled accordingly. personal protective clothing (turnout gear). |

6 Accidental Release Measures

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| LAND SPILL | Scoop up material and put into suitable container for recycling or disposal as a non-hazardous waste in an appropriate recycling or disposal facility. |
| WATER SPILL | This material will float and disperse with wind and current. Contain the material with brooms, pick up or remove with a vacuum truck. |
| AIR RELEASE | This material will settle out of the air. If concentrated on land, it can then be scooped up for recycling or disposal as a non-hazardous waste. |

7 Handling and Storage

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| STORAGE TEMPERATURE | Ambient (below 170°F) |
| GENERAL STORAGE | Store in well ventilated area. Assure storage areas and shipping containers are adequately ventilated. Avoid direct exposure to very high heat, open flame, sparks, or other sources of ignition. Do not enter confined areas unless adequately ventilated. The flammable vapors of pentane (blowing agent) are heavier than air and may accumulate in low places. "No Smoking – No Matches – No Lighters – No Welding" rules should be enforced. |

8 Exposure Controls/Personal Protection

Exposure Guidelines *Expanded Polystyrene*

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| OSHA PEL | Particulates (not otherwise classified) 15 mg/m ³ , 8 Hr. TWA, total dust 5 mg/m ³ , 8 Hr. TWA, respirable dust. |
| ACGIH TLV | None Established |

Pentanes

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| OSHA PEL | 1,000 ppm |
| CGIH TLV | 600 ppm |

Personal Protection

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| EYE/FACE PROTECTION | If there is a potential for exposure to particles which could cause eye discomfort or for fabrication operations, safety glasses with side shields are recommended. |
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| SKIN PROTECTION | No precautions other than clean body-covering clothing should be needed. |
| HAND PROTECTION | Use gloves to protect from mechanical injury. Selection of gloves will depend on the task. |
| RESPIRATORY PROTECTION | Respiratory protection is not normally required. When respiratory protection is required for certain operations, including but not limited to saw, router or hot-wire cutting, use an approved air-purifying respirator. In dusty or misty atmospheres, use an approved particulate respirator. |
| INGESTION | No precautions necessary due to the physical properties of the material. |
| VENTILATION | Use ventilation adequate to maintain safe levels if overheating or dust occurs during processing. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. |
| SPECIAL PRECAUTIONS OR OTHER COMMENTS | Follow procedures specified in the NFPA Codes and Standards for handling combustible dust. Maintain good housekeeping to avoid dust buildup. |

9 Physical and Chemical Properties

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| APPEARANCE AND COLOR | White or gray rigid cellular foam blocks, boards, sheets and shapes. |
| MELTING POINT | Above 175°F (79°C) |
| SOLUBILITY IN WATER | Insoluble |

10 Stability and Reactivity

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| STABILITY | Stable under normal conditions. |
| REACTIVITY | Reactive with oxidizing agents. |
| INCOMPATIBLE MATERIALS TO AVOID | Organic solvents, oil products, strong oxidizing agents, sparks, open flames, strong acids or bases. |
| HAZARDOUS DECOMPOSITIONS PRODUCTS | Does not decompose under normal usage. |
| HAZARDOUS POLYMERIZATION | Will not occur. |

11 Toxicological Information

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| INGESTION | Biologically inert. Extremely unlikely route of entry. |
| EYE CONTACT | Small particles may cause mechanical irritation or injury to the surface of the eye. Noticeable discomfort, redness, and tearing can occur. |
| SKIN CONTACT | May cause skin irritation or abrasion. |
| SKIN ABSORPTION | None. |

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| INHALATION | Nuisance dust may cause mechanical irritation with possible difficulty breathing, sneezing, and coughing (only when material is cut). |
| EFFECTS OF CHRONIC EXPOSURE | No significant health hazard is expected to result under conditions of normal occupational use of this material. |
| AGGRAVATION OF PRE-EXISTING CONDITIONS | No adverse effects expected. |
| CARCINOGENICITY | Styrene monomer ACGIH: A4 – Not classified as a Human Carcinogen IARC: 2B – Possibly Carcinogenic to Humans (Vol. 60, 1994) |

12 Ecological Information

Non-biodegradable, insoluble in water, low potential for bio-accumulation. Not expected to harm ecosystems through its applied use.

13 Waste Disposal Considerations

Some of our manufacturing locations can accept clean, dry, tape- & label-free EPS foam from our customers and the public. The recycled EPS gets reused in our manufacturing process. Please contact us for full recycling rules.

Reuse or dispose via sanitary landfill or adequate incinerator according to federal, state, and local regulations. Do not discharge into waterways or sewer systems. Expanded polystyrene is recyclable. Contact your local waste management service for recycling methods or visit the following:

14 Transportation Information

For domestic transportation purposes, this product is not regulated as a hazardous material by Transport Canada or the US Department of Transportation (DOT) under Title 49 of the Code of Federal Regulations.

15 Regulatory Information

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| TOXIC SUBSTANCE CONTROL ACT (TSCA) | Biologically inert. Extremely unlikely route of entry. |
| SECTION 313 SUPPLIER NOTIFICATION | This product contains no known toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. |
| OSHA HAZARD COMMUNICATION STANDARD | This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |

16 Other Information

CALIFORNIA PROPOSITION 65

This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

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