

MATERIAL SAFETY DATA SHEET

POWERFOAM INSULATION DIVISION OF METL-SPAN LLC
550 MURRAY STREET
MIDLOTHIAN, TX 76065
(800) 883-3626

PRODUCT NAME: Expanded Polystyrene (EPS)

EFFECTIVE DATE: 05/19/2008

PRODUCT CODE: Modified (By Flame-Retardant) SIC 3089

1. INGREDIENTS

Polystyrene Foam

2. PHYSICAL DATA

Boiling Point: Not Applicable Vapor Pressure: Not Applicable

Vapor Density: Not Applicable Solubility in Water: None

Specific Gravity: .027 to .064 Odor: No Odor

Appearance: Rigid Cellular Foam Board White In Color

3. FIRE AND EXPLOSION HAZARD DATA

Flash Ignition Temperature: 675° F

Method Used: ASTM Test D-1929

Flammable Limits

LFL: Not Applicable

UFL: Not Applicable

Extinguishing Data: Water Fog, Carbon Dioxide, Dry Chemical

Recommended Maximum Use Temperature: 165°F or 74°C

Oxygen Index: 24 Minimum

BTU Content Per Pound: 16,655

4. REACTIVITY DATA

Stability: (Conditions to Avoid) – Small or Large Fires, High Temperatures.

Incompatibility: (Specific Materials to Avoid) – Hydrocarbons, Esters, Insecticides, Amines, Aldehydes

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Carbon

Hazardous Polymerization: Will Not Occur

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5. ENVIRONMENTAL AND DISPOSAL INFORMATION

Actions To Take for Spills/Leaks: Pick Up, Or If Dust Or In Small Pieces, Sweep Up and Place in Suitable Container for Disposal.

Disposal Method: Bury in Appropriate Landfill, or Burn in an Adequate Incinerator with Excess Oxygen, in Accordance with all Local, State and Federal Regulations

6. HEALTH HAZARD DATA

Eye: May Cause Mechanical Irritation From Dust If Fabricating.

Skin Contact: Presents No Significant Hazard. Problem will be that of Mechanical Injury Only.

Skin Absorption: Not Likely To Be Absorbed

Ingestion: Presents No Significant Hazard. May Act as an Obstruction (as would any bulky inert material) if Swallowed. Not Recommended For Use or Contact with Food.

Inhalation: During Fabrication the Blowing Agent Released (Pentane) Should be Kept Below 25 PPM via Ventilation. No Significant or Symptoms of Any Adverse Health are Expected to Occur as a Result of Inhalation Exposure.

Chronic Hazards: No Chronic Health Hazard for this Material Have Been Reported.

7. FIRST AID

Eyes: Irrigate with Flowing Water Immediately. Remove Particles Using Clean Lint-Free Cloth. Consult Medical Personnel.

Skin: Wash Off in Flowing Water of Shower.

Ingestion: Unlikely Route of Contact

Inhalation: Remove to Fresh Air if Effect Occur. Consult Medical Personnel.

Note to Physician:

Eyes: Possible Mechanical Injury. Stain for Evidence of Corneal Injury. Rinse with Clean Water. Obtain Emergency Medical Treatment if Pain, Blinking or Tears Persist.

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FIRST AID – continued

Note to Physician – continued

Skin: Possible Mechanical Irritation. Treat as any Contact Dermatitis.
Not Likely to be Absorbed in Acutely Toxic Amounts.

Respiratory: Dusts May Be Irritating. Inadequately Aged Foam May
Release Toxic Vapors.

Oral: No Effect Expected

Systematic: No Effects Expected. Treatment Based on Sound Judgment
of Physician and the Individual Reactions of the Patient.

8. HANDLING PRECAUTIONS

Ventilation: Recommend Control of Pentane to Suggested Guide

Respiratory Protection: If Required, Use an Approved Dust Respirator During
Cutting Operations.

Skin Protection: None Required

Eye Protection: Safety Glasses

9. ADDITIONAL INFORMATION

Special Precautions To Be Taken In Handling and Storage: EPS Insulation is
combustible and may constitute a fire hazard if improperly used or installed. It
should be adequately protected. Use only as directed by the specific instructions
for this product. EPS Insulation contains a Flame Retardant Additive to inhibit
accidental ignition from small fire sources. During shipping, storage installation
and use this material should not be exposed to flame or other ignition sources.

Surface Burning Characteristics:

Flame Spread: 15#

Smoke Developed: 125#

(ASTM E-84, NFPA 225, UL 723)

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