

# 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 PRECATUIONS**

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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