

8.2 – MATERIAL SAFETY DATA SHEET



Material Safety Data Sheet - Expanded Polystyrene (EPS)
in Logix Insulated Concrete Forms

Issue Date: Mar 22, 2007

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SECTION 1 - PRODUCT INFORMATION

Manufacturer Name: LOGIX INSULATED CONCRETE FORMS LTD.

Address: 199 – 1917 West 4th Ave
Vancouver, British Columbia, Canada
V6J 1M7

Emergency Phone: 604-831-8528

Product Use: Stay-In-Place Insulated Concrete Forms

Suppliers: Flint Hills Resources
PO Box 2917
Wichita, Kansas 67201
316-828-3477

SECTION 2 - PREPARATION INFORMATION

Contact Name: Francis B Roma

Phone: 604 – 831 – 8528

Date Issued: Nov 20, 2005

SECTION 3 - HAZARDOUS INGREDIENTS

Chemical Name	CAS No.	Content
Benzene Ethenyl-Homopolymer (Common Name: Polystyrene)	9003-53-6	99%
Pentane	109-66-0	<1%

SECTION 4 - PHYSICAL DATA

Physical State: Solid

Odour & appearance: Slight Hydrocarbon Odour, White In Color

Specific Gravity: (Water = 1) 0.02 To 0.03

Vapour Pressure: N/A

Evaporation Rate: None

Boiling Point: N/A

Freezing Point: N/A

Melting Point: Softens at 100°C (212°F) & begins melting at higher temperatures.

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SECTION 5 - FIRE OR EXPLOSION HAZARDS

Explosive Hazards: Fire gives off black smoke consisting of carbon monoxide (< 10ppm), carbon dioxide (500ppm), oxides of nitrogen (4ppm), including trace of amounts of pentane, aldehydes and keytones. Fire hazards increase with presence of ignition sources or high concentrations of dust from work sites.

Means of Extinction: Use water spray, dry chemical, foam or carbon dioxide to extinguish flames.

Flash Point: 698°F (370°C)

Auto Ignition Temperature: 880°F (471°C)

SECTION 6 - REACTIVITY DATA

Unstable Conditions: Unstable when exposed to high temperatures. Recommended maximum use temperature of 165°F (75°C).

Incompatible materials: Not compatible with materials containing primarily of hydrocarbons, aldehydes, esters and amines

Hazardous Polymerization: Does not occur

Hazardous Decomposition: High heat or combustion produces black smoke consisting of carbon monoxide (< 10ppm), carbon dioxide (500ppm), oxides of nitrogen (4ppm), including trace of amounts of pentane, aldehydes and keytones.

Conditions of reactivity: Products react to high temperatures and strong oxidizers.

SECTION 7 - PREVENTATIVE MEASURES

Personal Protective Equipment:

Eye Protection: Approved safety goggles when applying fasteners, sanding or sawing.

Skin protection: Approved gloves and/or sleeves should be worn if sensitive to material composition of products.

Respiratory Protection: Approved dust mask when sanding, sawing or when working in high dust/particulates environment. In areas of high dust, vapor or mist content exceeding safe exposure limits use NIOSH or MSHA approved air purifiers or air supplied respirators.

Ventilation: Maintain proper ventilation in areas prone to static discharge (high dust environment) or products prone to combustion. Wear approved dust masks and maintain proper ventilation when hot-knifing product in enclosed areas.

Leaks or Spills: Loose material can be vacuumed or swept and placed in disposal containers.

Waste disposal: This material can be disposed of in accordance with local, state/provincial and federal regulations. This material is not considered a hazardous waste.

Handling: Take special precautions in handling and unloading product onto the construction site. When loading or unloading from trucks use either proper lifting equipment or use a minimum of 2 persons when manually loading or unloading pallets from trucks.

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TECHNICAL SPECIFICATIONS + REFERENCES

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Storage: Storage locations should be in an area that will minimize damage or soiling to products. Protection should be provided in cases where stored products could be exposed, for more than 2 weeks, to UV or freezing rain or snow conditions. Keep products away from heat, sparks, flames or other ignition sources.

SECTION 8 - FIRST AID MEASURES

Eyes: Flush eyes with water for several minutes. Get medical attention if eye irritation persists or particulates are difficult to remove from the eye.

Skin: This material is not considered to be a skin irritant. In cases where irritation may occur to extra sensitive skin, wash with soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion: This material is not considered to be hazardous when ingested but may cause blockage of air passage if large pieces are ingested. Get medical attention and apply proper first aid for persons with air passage blocked.

SECTION 9 - TOXICOLOGICAL PROPERTIES

Primary Route of Entry: Eyes, Skin, Inhalation

Effects of Acute Exposure:

Eyes: When hot-knifing material, vapors may cause irritation to eyes.

Skin: This material is not considered to be a skin irritant. Products may contain small particulates of dust accumulated naturally from surrounding environment, which may cause skin irritation with possible mild discomfort on extra sensitive skin.

Inhalation: When hot-knifing vapors may be cause irritation to nose and throat. Dizziness may occur in poorly ventilated areas when hot-knifing.

Effects of Chronic Exposure: Exposure to vapors may aggravate existing respiratory conditions, such as asthma, bronchitis and inflammatory or fibrotic respiratory disease.

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