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### Section 1: Chemical Product Company Identification

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**Product Name:** Perimeter Isolation Barrier  
**Synonyms:** Polyethylene Foam  
**Product Use:** Underlayment  
**Manufacturer:** Proflex Products, Inc.  
**Address:** 2826 Broadway Center Blvd, Brandon, FL 33510

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### Section 2: Hazard(s) Identification

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#### Potential Health Effects:

**Skin Contact:** Skin contact is not normally a problem. Sensitive individuals may experience dermatitis from anti-static or flame retardent additive if present.

**Eye Contact:** Solid or dust may cause irritation or corneal injury due to mechanical actions. Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.

**Inhalation:** Fumes generated under heat may cause eye irritation and respiratory irritation. Dust may cause irritation to upper respiratory tract and lungs.

**Ingestion:** Unlikely, material physiologically inert.

**Skin Absorption:** Skin absorption is unlikely due to physical properties.

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### Section 3: Composition/Information on Ingredients

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Ingredient	CAS No.
Polyethylene	9002-88-4
Hydrocarbon Gas	68746-86-8
Glycerol Stearate	67701-33-1
Color Concentrate	Variety
Silica/Talc	Mixture

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### Section 4: First-Aid Measures

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**Eye Contact:** Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact:** Wash skin with plenty of water.

**Inhalation:** Move person to fresh air; if effects occur, consult a physician.

**Ingestion:** If swallowed, seek medical attention. May cause gastrointestinal blockage. Do not give laxatives. Do not induce vomiting unless directed to do so by medical personnel

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### Section 5: Fire-Fighting Measures

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**Extinguishing Media:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire dioxide fire extinguishers. Foam.

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Use fine water spray or foam. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**Unusual Fire and Explosion Hazards:** Mechanical cutting, grinding or sawing can cause formation of dusts. To reduce the potential for dust explosion, do not permit dust to accumulate. Dense smoke is emitted when burned without sufficient oxygen.

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### Section 5: Fire-Fighting Measures

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**Hazardous Combustion Products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. In smoldering or flaming conditions, carbon monoxide, carbon dioxide and carbon are generated. Based on combustion toxicity testing, the effects of combustion from this foam are not more acutely toxic than the effects of combustion from common building materials such as wood.

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### Section 6: Accidental Release Measures

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**Steps to be Taken if Material is Released or Spilled:** Recover spilled material if possible. See Section 13, Disposal Considerations, for additional information.

**Personal Precautions:** There are no special required instructions.

**Environmental Precautions:** There are no special required instructions.

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### Section 7: Handling and Storage

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**Warning:** Fabricating operations which cut large numbers of interior foam cells, can release localized amounts of flammable, residual blowing agent. Provide adequate ventilation to avoid the build up of blowing agent concentration.

**Warning:** Always store polyethylene foam products in well ventilated area. Always keep foam products away from excessive heat and any source of ignition such as sparks or flame. Never store foam in confined areas or sealed-off compartments.

**WARNING:** Transport large quantities of this polyethylene foam in ventilated vehicles. Exercise caution when opening vehicles containing this polyethylene foam to avoid all possible sources of ignition (lit tobacco products, sparks etc.) near the foam and vehicle.

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### Section 8: Exposure Controls / Personal Protection

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#### Personal Protection

**Eye/Face Protection:** Eye protection should not be necessary. For fabrication operations safety glasses are recommended. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Skin Protection:** No precautions other than clean body-covering clothing should be needed.

**Hand protection:** Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized. Use gloves to protect from mechanical injury. Selection of gloves will depend on the task.

**Respiratory Protection:** 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. The following should be effective types of air-purifying respirators:  
Organic vapor cartridge with a particulate prefilter.

**Ingestion:** No precautions necessary due to the physical properties of the material. Engineering Controls

**Ventilation:** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

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### Section 9: Physical and Chemical Properties

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**Physical State:** Expanded Polyethylene/Foam

**Color:** Varies

**Odor:** Negligible Odor

**Flash Point - Closed Cup:** Not applicable

**Flammable Limits In Air:** Not applicable

**Autoignition Temperature:** No test data available

**Vapor Pressure:** Not applicable

**Boiling Point:** Not applicable.

**Vapor Density (air = 1):** Not applicable

**Specific Gravity (H<sub>2</sub>O = 1):** Not established for product as a whole (however <1)

**Liquid Density:** Not established for product as a whole

**Freezing Point:** Not applicable

**Melting Point:** 204 °F

**Solubility in Water:** Not soluble in water

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### Section 10: Stability and Reactivity

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#### Stability/Instability

Thermally stable at typical use temperatures.

**Conditions to Avoid:** Avoid temperatures above 70 °C (158 °F). Product decomposes above: 250°C (482 °F). Avoid direct sunlight.

**Incompatible Materials:** Avoid contact with: Strong oxidizers.

#### Hazardous Polymerization

Will not occur.

#### Thermal Decomposition

Decomposition products depend upon temperature, air supply and the presence of other materials. Processing may release fumes and other decomposition products. At temperatures exceeding melt temperatures, polymer fragments can be released. Fumes can be irritating.

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### Section 11: Toxicological Information

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No applicable or available data for this section.

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### Section 12: Ecological Information

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This product is inert to the environment and is not expected to exhibit any significant biodegradation

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### Section 13: Disposal Considerations

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All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

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### Section 14: Transport Information

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**WARNING: Transport large quantities of this polyethylene foam in ventilated vehicles. Exercise caution when opening vehicles containing this polyethylene foam to avoid all possible sources of ignition(lit tobacco products, sparks etc.) near the foam and vehicle.**

**DOT:** Not regulated.

**IMO:** Not regulated.

**IATA/ICAO Class:** Not regulated.

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### Section 15: Regulatory Information

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#### **OSHA Hazard Communication Standard**

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312**

**Immediate (Acute) Health Hazard:** No

**Delayed (Chronic) Health Hazard:** No

**Fire Hazard:** No

**Reactive Hazard:** No

**Sudden Release of Pressure Hazard:** No

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### Section 16: Other Information

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