



# Material Safety Data Sheet (MSDS)

## GENERAL INFORMATION

**MANUFACTURER:** Pearson Pilings LLC  
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Fall River, MA 02720  
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**PRODUCT NAME:** Fiberglass Composite Pilings  
**DESCRIPTION:** Structural Fiberglass Columns

## MATERIALS:

Outer Skin: PET (Polyester terephthalate copolymer)  
Fiberglass: E-Glass roving and mat.  
Resin: Unsaturated Polyester Resin Solution.  
Chemical family is Polyester.  
Final Matrix: The polyester resin is characterized by the ability to convert from liquid to solid form through polymerization. Once polymerized (cured), the resin cannot be converted back to its original liquid state. Any monomer solutions have evaporated or polymerized through the curing process.

## PHYSICAL CHARACTERISTICS:

Melting Range: Outer Skin-450°F  
Laminate - 575oF  
Specific Gravity: 1.85  
Solubility: Insoluble in water, mild acids and bases, aliphatic and aromatic hydrocarbons.

## FIRE/EXPLOSION HAZARDS:

Autoignition Temperature: >500°F  
Extinguishing Media: Water Spray, carbon dioxide or dry chemical.  
Special Fire Fighting Procedures: Respiratory and eye protection should be provided for trained fire fighting personnel to avoid contact with combustion products.

## REACTIVITY HAZARD DATA:

Chemical Stability: Stable  
Incompatibility: Avoid contact with strong acids and bases. May react violently with hydrofluoric acid.  
Hazardous Decomposition Products: At temperature above 570°F decomposition products include carbon dioxide, carbon monoxide and traces of acetaldehyde and acrolein.

## HAZARD HEALTH DATA:

Effects of exposure: Eyes: Grinding dust may cause irritation. Mechanical irritation only.  
Skin: Non-irritating unless fine dust is generated, then a mild irritant-use protective clothing when grinding.  
Ingestion: Non-toxic  
Inhalation: Sanding dust may cause mechanical throat and lung irritation.

## CONTROL/PROTECTIVE MEASURES:

Protective Clothing: None required. Gloves should be used when grinding ends. No special hazards anticipated under normal conditions encountered in storage, application and disposal.

## NFPA:

Health= 0  
Flammability= 1  
Reactivity= 0

## HMIS (Hazardous Materials Identification System)

Health= 0  
Flammability= 1  
Reactivity= 0

Key: 0=Minimal, 1= Slight, 2= Moderate, 3= Serious, 4= Severe

## NOTICE:

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