

**MATERIAL SAFETY DATA SHEET**  
US Department of Labor - Occupational Safety and Health Administration  
(Non-Mandatory Form) OMB No. 1218-0072

**Product Identification - XO™ Cellular PVC Board**

All non-applicable spaces are noted herein.

**Section I - Manufacturer and Emergency Information**

**Manufacturer:** The Penrod Company, LLC

**Address:** 2809 South Lynnhaven Road

Suite 350

Virginia Beach, Virginia 23452

**Emergency Phone Number: (800) 537-3497**

**Information Phone Number: (800) 537-3497**

**Prepared:** March 5, 2004

**Section II - Hazardous Ingredients/Identity Information**

<b>Name</b> .....	%
<b>PVC Polymer</b> .....	70-80
<b>Inert Fillers:</b> CaCO <sub>3</sub> , TiO <sub>2</sub> .....	5-30
<b>Heat Stabilizer:</b> Organotin Compounds, Rare Earth Ca/Zn Stabilizer .....	0-5
<b>Process Aids:</b> Acrylic Compounds .....	0-2
<b>Modifier:</b> CPE, ABS, MBS, or Acrylic Compounds .....	5-15
<b>Chemical Blowing Agents:</b> AZO Compounds or Sodium Bicarbonate .....	0-2

**Section III - Physical/Chemical Characteristics**

**Boiling Point:** Solid

**Vapor Pressure** (mm Hg): Solid

**Vapor Density** (AIR = 1): Solid

**Solubility in Water:** Solid

**Specific Gravity** (H<sub>2</sub>O = 1): 0.48

**Melting Point** (°F): Decomposes Prior to Melting

**Heat Deflection Temperature:** 63.0°C (145°F)

**Evaporation Rate** (Butyl Acetate = 1): Solid

**Appearance and Odor:** Sheet

**Section IV - Fire and Explosion Hazard Data**

**Flash Point:** Solid - Not Applicable

**Flammable Limits:** Solid - Not Applicable

**LEL:** Solid - Not Applicable

**UEL:** Solid - Not Applicable

**Extinguishing Media:** Foam, Dry Chemical or CO<sub>2</sub>

**Special Fire Fighting Procedures:** Local surfaces may be cooled with water. Utilize self-contained breathing apparatus in enclosed spaces.

**Unusual Fire and Explosion Hazards:** PVC historically generates hydrogen chloride, carbon monoxide and other trace toxic gases when burned. Avoid exposure to combustion products. Fatality level not determined.

**Section V - Reactivity Data**

**Stability:** Stable (Non-reactive to known substances)

**Conditions to Avoid:** No Known Conditions

**Incompatibility** (Materials to Avoid): No Known Substances

**Hazardous Decomposition or Byproducts:** Hydrogen Chloride and Other Trace Toxic Fumes During Combustion

**Hazardous Polymerization:** No Known Conditions

**Conditions to Avoid:** No Known Conditions

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**Section VI - Health Hazard Data**

**Route(s) of Entry:** Skin (None), Eyes (Dust and Chip Form), Inhalation (Dust and Chip Form), Digestion (Dust and Chip Form)

**Health Hazards (Acute and Chronic):**

Eyes (Dust and Chip Form - Irritation Hazard)

Inhalation (Dust and Chip Form - Irritation Hazard)

Skin (Molten Form - Burn Hazard)

Ingestion (No Known Hazard)

**Carcinogenicity:** No Known Toxicity Effects (Skin, Eyes, Inhalation, Ingestion)

**Signs and Symptoms of Exposure:** Skin (None), Eyes (Irritation), Inhalation (Coughing), Ingestion (None)

**Medical Conditions Generally Aggravated by Exposure:** Asthma (Inhalation Exposure of Dust Form and Combustion Products) (Avoid Inhalation)

**Emergency and First Aid Procedures:** Skin (Cool Burned Areas With Cold Water), Eyes (Immediately Flush With Water. Contact Physician if Irritation Persists), Inhalation (Remove to Fresh Air), Ingestion (Seek Professional Medical Advice. Do Not Induce Vomiting)

**Section VII - Precautions for Safe Handling and Use**

**Steps To Be Taken in Case Material Is Released or Spilled:** Dust and Chips shall be swept, scooped or vacuumed and removed. Sheets shall be collected and removed.

**Waste Disposal Method:** Follow Local, State and Federal Regulations

**Precautions To Be Taken In Handling And Storing:** Protective Eyewear

**Other Precautions:** None

**Section VIII - Control Measures**

**Skin Protection:** Protective Gloves and Heat Resistant Clothing

**Eye Protection:** (Safety Glasses or Goggles)

**Respiratory Protection:** Particulate Respirator for Dust and Chip Exposure

**Ventilation:** General Under Standard Conditions. Local Exhaust is Recommended in High Dust Formation Areas.

**Other Protective Clothing or Equipment:** None

**Work/Hygienic Practices:** General Clean-up After Exposure

**Section IX - Additional Information (Non-Mandatory)**

This material is categorized as Non-Hazardous for transportation purposes. The information contained herein is accurate to the best of all available knowledge at the time of printing. Hazardous conditions due to alterations of the material have not been established.