



272 Bendix Road, Suite 550
Virginia Beach, VA 23452

PH (757) 498-0186
FX (757) 498-1075

Material Safety Data Sheet

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

Name	%
PVC Polymer.....	70-80
Inert Fillers: CaCO ₃ , TiO ₂	5-30
Heat Stabilizer: Organotin Compounds, Rare Earth Ca/Zn Stabilizer	0-5
Process Aids: Acrylic Compounds	0-2
Modifier: CPE, ABS, MBS, or Acrylic Compounds	5-15
Chemical Blowing Agents: 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 (H₂O = 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 CO₂
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.