

Section 1 - Material Identification

Product: **Master Wall Insulation Board** Manufacturer: **Master Wall Inc.**
 Address: **6975 Flat Rock Road**
Midland, GA 31820

Date Issued: **6/1/2001 Revised 1/1/10** Telephone: **706-569-0092**
www.masterwall.com

Section 2 - Hazard Ingredients/Identity Information

Ingredients	CAS#	OSHA-PEL	ACGIH-TLV	%
Polystyrene	9003-53-6	NE	NE	>98
Pentane	109-66-0 (HP)	750 ppm/600 ppm	750 ppm/600 ppm	<1
Hexabromocyclododecane	3194-55-6	NE	NE	<1

Section 3 - Physical/Chemical Characteristics

Boiling Point:	N/A	Specific Gravity (H ₂ O=1):	1
Vapor Pressure:	-	Melting Point:	-
Vapor Density (AIR=1):	-	Evaporation Rate (Butyl Acetate=1):	-
Solubility in Water:	Negligible		
Appearance and Odor:	White colored beads with an odor of pentane		

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used)	<57F	Flammable Limits:	1.4-8.3%	LEL		UEL	
Extinguishing Media:	Water fog, water, wasterspray, foam, CO2 or dry chemical						

Special Fire Fighting Procedures:

Self-contained breathing apparatus. Dense black smoke produced during combustion may obscure vision. To prevent re-ignition of interior, target center of fire with large amounts of water. Serious slipping hazard may exist from beads spilled on hard smooth surfaces.

Unusual Fire and Explosion Hazards:

If exposed to fire, high heat will be developed and heavy, black smoke will result. During combustion, CO and CO₂ and hydrogen bromide will be produced. When containers are opened, flammable vapors (pentane) are released which are heavier than air and may travel long distances, resulting in ignition and flashback to the source. Good ventilation and grounding techniques must be employed. during handling, material generates static charges, which are difficult to dissipate due to the insulating properties of the material. The above information is based on the pentane-blowing agent.

Section 5 - Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid:	Heat, sparks and flame
	Stable	<input checked="" type="checkbox"/>		
Incompatibility (Materials to Avoid):			Aromatic solvents, strong oxidizing agents	
Hazardous Decomposition or Byproducts:			CO, CO2 and hydrogen bromide	
Hazardous Polymerization			Conditions to Avoid:	Heat, sparks and flame
May Occur				
Will Not Occur			Not corrosive	

Section 6 - Health Hazard Data

Routes of Entry

Inhalation? <input checked="" type="checkbox"/>	Skin? <input checked="" type="checkbox"/>	Ingestion? <input checked="" type="checkbox"/>
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Health Hazards (Acute and Chronic)

Contact with the eyes and skin may result in irritation
Prolonged or repeated skin contact may result in dermatitis.
Inhalation of high concentrations of pentane vapors irritates the respiratory tract and may cause dizziness, difficulty in breathing, loss of coordination and CNS depression. Exposure to 5000 ppm for 10 minutes did not cause irritation in mice. Very high concentrations (90,000-120000 ppm) resulted in narcosis and CNS effects. Pentane vapors may cause eye irritation.
Redness, tearing and irritation may result from beads entering the eyes.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?

Signs and Symptoms of Exposure:

There are no other known chronic effects associated with this material.

Medical Conditions Generally Aggravated by Exposure

There are no other known chronic effects associated with this material.

Emergency and First Aid Procedures

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention. Eyes: Immediately rinse eyes with running water for 15 minutes, retracting eyelids frequently. Ingestion: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention. Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled

Remove all sources of ignition, as flammable vapors may be present. Spills should be swept or shoveled into suitable containers for reuse or disposal in a licensed facility. This material is not regulated by RCRA or CERCLA (superfund). Wear appropriate respiratory protection and protective clothing, and provide adequate ventilation during clean up. During handling, this material in bead or expanded form generates static charges, which are difficult to dissipate due to the insulating properties of the material. Serious slipping hazard is created by spilled beads on hard, smooth surfaces.

Waste Disposal Method

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Precautions to be taken in handling and storing

Incinerate (assure that emissions comply with applicable regulations) or bury in a licensed facility in compliance with Federal, State and Local Solid Waste Regulations. Do not discharge into waterways or sewer systems.

Other Precautions

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Section 8 - Control Measures

Respiratory Protection (Specify Type)

If dusts are generated, wear an approved dust respirator

Ventilation	Local Exhaust Mechanical (General)	To control PEL	Special Other	
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Protective Gloves:	Recommended	Eye Protection:	Safety glasses with side shields or goggles
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Other Protective Clothing or Equipment

Non-sparking safety shoes for explosion proofing

Work/Hygienic Practices

Launder clothes regularly

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