

## Material Safety Data Sheet (MSDS)

### Section-1: Product and Company Identification

Product Name: This MSDS is applicable to

- 1) WPC Boards
- 2) PVC Foam Board
- 3) 3 Layer Boards

CAS No: Not Applicable

Formula: Proprietary

### Section-2: Composition / Information of Ingredients

Component	CAS No.	% by weight	Remarks
Polyvinyl Chloride (PVC) Resin	9002-86-2	> 50%	
Mixed Wood Powder	Mixtures	< 25%	Not applicable for PVC Foam Board
Calcium Carbonate	471-34-1	< 50%	Not applicable for Mineral Fiber Boards
Mineral Filler	13983-17-0	< 50%	Applicable to only Mineral Fiber Boards
Lead Compounds	Mixtures	< 4%	
Titanium dioxide	13463-67-7	< 15%	
Proprietary	Mixtures	(100 – total of above)%	

### Section-3: Physical and Chemical Properties

Physical Form:	Solid	Solubility in Water:	None
Colour:	As specified	Specific Gravity:	< 0.9
Odour	Insignificant	pH:	Not Applicable

The physical data presented above are typical value and should not be granted as specification.

### Section-4: Fire and Explosion Data

Auto Ignition:	N.A.
Flash Point:	> 350 °C
Extinguishing Media:	CO <sub>2</sub> , dry chemical, water spray as a cooling method.
Special fire fighting procedure:	In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) Full protective clothing. Evacuate all personnel from danger area. Use CO <sub>2</sub> , dry chemical, water spray to extinguish fire.
Unusual fire and explosion hazards:	PVC will burn in the presence of supported combustion, and will emit hydrogen chloride gas, benzene, water, carbon monoxide, carbon dioxide, and smoke.

### Section-5: Reactivity Data

Stability:	Stable
Incompatibility:	Not Known
Decomposition Products:	Reference: "Unusual fire and explosion hazards", Section 4

## Section-6: Health Hazard Data

These products are not considered to be a health hazard in the form in which they are sold (sheet, panel). However, if these products are abraded, melted, welded, cut or processed in any manner that causes release of fumes or dusts, hazardous levels of fumes or dusts may be generated from this product.

### Effect of Overexposure:

Acute:	Physical irritation of the eyes may result from overexposure to high concentrations of dust from certain fabricating operations.
Chronic:	Studies have shown that workers exposed for long periods to high concentrations of respirable PVC dust may retain the dust in their lungs. There is no evidence of a toxic response associated with such PVC dust retention. Repeated long-term inhalation/ingestion of Lead may lead to weariness, headache, severe constipation and colic. It has been determined that Lead is a reproductive toxin
Special Precautions:	Avoid prolonged inhalation of high dust concentrations and ingestion of material. Wash hands before eating, drinking or smoking. Wear proper eye and respiratory protection when working in areas of high dust concentrations. Care should be taken during thermoforming operations. When temperatures exceed 350 °F, decomposition of the material may occur.
Emergency and first aid procedures:	If contact with eyes, wash immediately under water for at least 15 minutes. For inhalation exposure, remove to fresh air. Contact a physician.

## Section-7: Storage, Handling and Disposal Data

Waste disposal:	Care must be taken when using or disposing of material debris to prevent environmental contamination. Dispose of the debris in accordance with the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act and all state or local laws / regulations regarding disposal.
Storage and Handling Precautions:	Store in a flat dry area Exercise caution in all thermal forming procedures

## Section-8: Personal Protection Data

Primary routes of entry are:	Inhalation and ingestion
Respiratory protection:	An approved NIOSH/MSHA respirator must be used when engineering controls cannot be implemented to control dust concentrations. Reference OSHA 1910.134 for specific requirements.
Ventilation:	Local exhaust. Reference OSHA 1910.94 for specific requirements.
Eye:	Eye protection must be worn when working in dust concentrations and during sawing or other operations which might cause flying debris. Reference OSHA 1910.133 for specific requirements
Protective Glove:	Gloves should be used to prevent cuts or abrasions.