

**Section 1. Product Identification**

**Product Name:** Lead Lined Wood / Wood Composite Doors  
**Synonyms:** None  
**Manufacturing:** Protect Door LLC. 1010 S Pacific St. Spencer WI 54479, 715-659-4094

**Section 2. Product Composition**

MATERIAL	% BY WT.	CAS #	OSHA EXPOSURE LIMIT
Lead	40-80	7439-92-1	PEL/TWA .05 mg/cubic meter TLV/TWA .15 mg/cubic meter
Wood	5	None	PEL/TWA 5 mg/cubic meter
Particleboard Core (Urea formaldehyde)	10 -50	None 9055-05-6	TLV/STEL 10mg/cubic meter PEL/TWA .75 ppm PEL/STEL 2.0 ppm
Water based PVA Adhesive	<1	None	None

**Section 3. Hazard Identification**

These products are considered as manufactured articles which pose little health hazards under normal use. However, cutting, sanding, routing of these products may produce dust and particles which do pose health risks.

**Wood Based Components** - Inhalation can cause irritation of the respiratory system. Eye irritation may also occur.

**Lead- Inhalation:** Lead dust and fume can be absorbed through the respiratory system. Local irritation of bronchia and lungs can occur. Acute exposure may present symptoms such as, metallic taste, chest and abdominal pain, increased blood levels may also occur.

**Ingestion:** Lead poisoning symptoms may include abdominal pain and spasms, nausea, vomiting and headache. Acute poisoning can lead to muscle weakness, metallic taste, loss of appetite, insomnia, dizziness, high levels of lead in blood and urine, coma and death in extreme cases.

**Skin Contact:** Lead may be absorbed through the skin after prolonged exposure. Contact over short periods may cause local irritation.

**Eye Contact:** May cause eye irritation.

**Section 4. Emergency and First Aid Measures**

**Inhalation:** Remove from exposure. Seek medical attention if any acute effects listed in Section 3 are present.

**Skin Contact:** Wash thoroughly with soap and water.

**Eyes:** Wood Dust, high concentrations of gaseous formaldehyde, may cause allergic reactions. Wood or lead dust can become foreign objects in the eye. Flush with cool running water for at least 15 minutes. Seek medical attention if irritation develops.

**Ingestion:** Lead- Seek medical attention.

**Carcinogen:** Lead has been proven to cause cancer in animals. Certain lead compounds are suspect human carcinogens.

## **Section 5. Fire and Explosion Data**

**Flash Point:** Not applicable

**Extinguishing Media:** Water, Foam, Halon, Carbon Dioxide, Dry Chemical

**Special Fire Fighting Procedures:** Use positive pressure self contained breathing apparatus.

**Unusual Fire and Explosion Hazard:** Cutting, sanding, routing of this product may produce wood particles whose size and concentration may explode if exposed to an ignition source. Lead is not considered to be a fire hazard.

## **Section 6. Accidental Release Measures**

This product as delivered is a large manufactured item and is not subject to accidental release. The following measures are for dust generated from sawing, sanding, routing this product.

**Protective Measures in case of material release or spill:** Mechanically collect material and place in drums. Use a vacuum system with a high efficiency filter if possible. Dispose of material through a lead reclamation company following applicable federal, state and local regulations.

**PPE:** Use protective clothing, gloves and respiratory protection when cleaning up spills.

## **Section 7. Handling and Storage**

Handling and storage practices: Keep in cool dry place away from open flame with adequate ventilation as the doors may release small quantities of gaseous formaldehyde.

## **Section 8. Exposure Control**

### **Personal Protective Equipment:**

**Protective Gloves:** In most cases two thin lines of lead will be exposed on all four edges of a door. Gloves should be worn when handling un-finished doors.

**Respiratory Protection:** As delivered respiratory protection is not required. An approved respirator is recommended if further processing of the door may result in exposure to wood and or lead particles.

**Work Practices:** When handling un-finished doors or performing any process which may emit dust or particles from the door follow good personal hygiene and housekeeping practices. Wash hands before eating or smoking, vacuum up dust from work areas and clothing using a high efficiency filtration system vacuum.

**Eye Protection:** Not required for handling the product as delivered, further processing may require eye protection.

**Other Protective Clothing:** Lead doors are generally large and very heavy, protective footwear should be used when handling.

## **Section 9. Physical and Chemical Properties**

<u>Boiling Point @ 760 mm Hg</u>	<u>Wood; 3164 F. Lead; 1740 C.</u>
<u>Specific Gravity</u>	<u>Wood; varies by species. Lead; 11.3</u>
<u>Vapor Density</u>	<u>NA</u>
<u>% Volatile by Weight</u>	<u>NA</u>
<u>Melting Point</u>	<u>Wood; NA. Lead; 621 F.</u>
<u>Vapor Pressure</u>	<u>NA</u>
<u>Solubility in Water</u>	<u>Wood; NA. Lead; Slightly soluble in the presence of nitrates, ammonium and carbon dioxide.</u>
<u>Evaporation Rate</u>	<u>NA</u>

Materials at normal temperatures are solid.

## **Section 10. Stability and Reactivity**

Stability	Stable
Incompatibility	Reactive with strong Oxidizers
Hazardous Polymerization	Will not occur
Conditions to avoid	Avoid open flame

## **Section 11. Toxicological Information**

**Cellulose:** LC50 (Inhalation-Rat) >5800 mg/cu m/ 4 hours  
(Oral-Rat) > 5gm/kg  
(Intraperitoneal-Rat) > 31,600 mg/kg  
(Skin-Rabbit) > 2 gm/kg

**Wood Dusts:** TDLo (Intatracheal-Rat) 7000 mg/kg/ 4 weeks intermittent: Lungs, Thorax, or Respiration.  
TDLo (Inhalation-Rat) 1683.5 mg/kg/13 weeks intermittent: Lungs, Thorax, or Respiration. (Interstitial)

**Lead:** Investigated as a tumorigen, mutagen and reproductive effector. Lead is a human reproductive hazard and a probable human carcinogen, proven in animals.

## **Section 12. Ecological Information**

The wood portions of these doors will decompose over time but at a slower rate than with natural wood due to the finished, glues and resins used to manufacture the product.

The lead contained in these products should not be released into the environment and should always be recycled.

## **Section 13. Disposal Considerations**

Landfill disposal is permitted in many states. It is the users responsibility to confirm that the product can be disposed of in this manner and if so it must be disposed of in accordance with federal, state and local environmental requirements.

Whenever possible this product should be recycled.

## **Section 14. Transportation Information**

This product is not regulated by the DOT

## **Section 15. Regulatory Information**

California Proposition 65: Lead in this product is known to the State of California to cause cancer, birth defects, reproductive harm, and other serious injury and would require a warning under the statute.

**SARA 311/312 Hazard Category:** Acute health hazard – YES (Lead)  
Chronic health hazard – YES (Lead, Formaldehyde)  
Fire hazard – NO  
Reactivity hazard – NO  
Sudden release hazard – NO

## **Section 16. Additional Information**

**Date MSDS created:** February 22, 2010

**Prepared by:** Protect Door LLC, 1010 South Pacific St., Spencer, WI 54479