MATERIAL SAFETY DATA SHEET

LEAD LINED WOOD DOOR

SECTION 1 - Product Identification

Synonyms: None Product: Lead Lined Wood Doors

Manufacturing Location: Rome, Georgia, USA

	SECTION 2	 Hazardous in 	SECTION 2 - Hazardous Ingredients/Identity Information	3
Component	CAS No.	% by wt	Exposure Limits	Comments
Wood Stiles Rails, and	None	15	PEL-TWA 5mg/m3 PEL-TWA 25mg/m3	Total dust Select Hardwood
Particleboard Core			TLV-STEL 10mg/m3	Softwood total dust
Lead	7439-92-1	40-82	PEL - TWA 0,05mg/m3	Elemental/Inorganic
			TLV - TWA 0,15mg/m3	compounds
Leaded Glass	None	0-10	None	
Door Faces				
- Wapd	None	1-3	See above for wood	See above for wood
- Plastic	None		None	
Resin Solids				
 -Urea formaldehyde 	9055-05-6	1-5	PEL - TWA 0_75ppmi	Free gaseous
(Contains less than 0.1% free turinaldehyde)	ree turmaldehyde)		PEL - STEL 2, Uppm	formaldelyde
 Contact Adhesive 	None	Δ	None	
- PVA Adhesive	None	4	None	
	40			

SECTION 3 - Hazard Identification

may contain alder, ash, aspen, basswood, beech, birch, bubinga, cherry, chestnut, cottonwood, cypress, elm, fir, gum, hemlock, hickory Appearance and Odor: Doors with a variety of grain patterns and hues. The products have a slight aromatic odor. Wood component

Primary Route(s) of Exposure: koa, mahogany (true and false), mansonila, maple, oak (red and white), pine poplar, spruce, teak, walnut.

Primary Health Hazards: The primary health hazards posed by this product are thought to be due to exposure to dust and/or lead particles generated from sawing, sanding, drilling, or routing this product, or exposure to free gaseous formaldehyde.

(x) Skin: Dust

(x) Inhalation Dust, gas

Medical Conditions Generally Aggravated by Exposure: Gaseous formaldehyde or wood dust may aggravate preexisting respiratory

Carcinogenicity Listing: with prolonged, repetitive contact or exposure to elevated dust levels. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer, Long-term overexposure to lead dust or furnes can result in systemic lead poisoning Chronic Health Hazards: Wood dust, depending on the species, may cause allergic contact dermatitis and respiratory sensilization

(x) NTP (x) IARC Monographs Formaldehyde, Groups 2A and 2B

(x) OSHA Regulated Formaldehyde, Lead Formaldehyde, Group 2A; Wood dust, Group 1

Gaseous formaldehyde and lead have been shown to cause cancer in certain laboratory animals after long term exposure to very high

showing an association between occupational exposure to wood dust and adenocarcinoma of the nasal cavities and paranasal sinuses IARC did not find sufficient evidence of an association between occupational exposure to wood dust and cancers of the oropharynx. concentrations (14+ ppm for formaldehyde), far above those normally found in the workplace with this product.

[ARC - Group 1: Carcinogenic to Humans: Sufficient evidence of carcinogenicity. This classification is primarily based on studies.

hypopharynx, lung, lymphatic and hematopoietic systems, stomach, colon, or rectum, lymphatic and hematopoietic systems, stomach, colon, or rectum, lymphatic and hematopoietic by denote of carcinogenicity to humans; sufficient evidence of carcinogenicity to humans; sufficient evidence of

carronogenicity in experimental animals.

NTP - Groups 2A and 2B: The National Toxicology Program (NTP) has reported formaldehyde and lead are reasonably anticipated

to be a carcinogen, meaning there is limited evidence of carcinogenicity from human studies (Group 2A) or sufficient evidence of carcinogenicity from studies in experimental animals (Group 2B).

SECTION 4 - Emergency and First Aid Procedures

Ingestion: Not applicable under normal use

Eye Contact: Gassous formaldehyde may cause lemporary irritation or a temporary burning sensation. Wood, lead, paper, or plastic dus(s) may cause mechanical irritation. Treat dust in eye as foreign object. Flush with water to remove dust particles. Set medical he Get medical help it

Skin Contact: High concentrations of gaseous formaldehyde ritay cause allergic contact dermatitis in sensitized individuals resulting in technology. Individuals, a technology in the contact dermatitis in sensitized individuals, a technology in the contact dermatitis in sensitized individuals. well as mechanical irritation resulting in hives. Get medical help if rash, irritation or dermetitis occurs

Skin Absorption: Not known to occur under normal use

inhalation. High concentrations of gaseous formaldehyde may cause temporary initiation to the nose and throat. Wood, lead, paper or plastic dust(s) may cause unpleasiant obstruction in the nasal passages, resulting in dryness of nose, dry cough, sneezing, and headaches. Remove to frash air. Get medical help if persistent initiation, severe coughing or breathing difficulty occurs.

SECTION 5 - Fire and Explosion Data

Flash Point (Method Used): NAP

Flammable Limits:

LEL: See below under "Unusual Fire and Explosion Hazards

Extinguishing Media: Water, carbon dioxide, sand, dry chemical

Autoignition Temperature: 400°-500°F (204°-260°C) for wood

Special Firefighting Procedures: Wet down with water Unusual Fire and Explosion Hazards: Depending on moisture content and, more importantly, particle diameter, wood dust may explode Unusual Fire and Explosion Hazards: Depending on moisture content and, more importantly, particle diameter, wood dust meter of air is often used as in the presence of an ignition source. An airborne concentration of 40 grams (40,000 mg) of dust per cubic meter of air is often used as the LEL for wood dust. This product in purchased form minimizes the possibility of dust release.

SECTION 6 - Accidental Release Measures

sanding, drilling, or routing this product may be vacuumed or shoveled for recovery or disposal. Avoid dusty conditions and provide good Steps to be Taken in Case Material is Released or Spilled: Not applicable for product in purchased form. Dust generaled from sawing

Other Precautions: A NIOSH/MSHA-approved full-face respirator or half-mask respirator with chemical goggles should be worn when the formaldehyde and/or wood dust allowable exposure limits may be exceeded. It is recommended that the full-face and half-mask respirators have a combination formaldehyde and dust cartridge.

SECTION 7 - Handling and Storage

Precautions to be taken in Handling and Storage: No special handling precautions are required for product in purchased form, Keep in cool, dry place away from open flame. This product may release small quantities of gaseous formaldehyde. Store in a well ventilated in cool, dry place away from open flame. This product may release small quantities of gaseous formaldehyde. Store in a well ventilated

SECTION 8 - Exposure Control Measures

Personal Protective Equipment:

RESPIRATORY PROTECTION — Not applicable for product in purchased form, A NIOSH/MSHA-approved respirator is recommended when allowable exposure limits may be exceeded

EYE PROTECTION — Not applicable for product in purchased form. Goggles or safety glasses are recommended when machining this irritation from handling product PROTECTIVE GLOVES — Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical

OTHER PROTECTIVE CLOTHING OR EQUIPMENT -- Not applicable for product in purchased form. Outer garments may be desirable product and in areas with high dust levels

WORK/HYGIENE PRACTICES — Follow good hygienic and housekeeping practices. Wash hands before eating if lead dust is suspected on skin or clothing. Clean up areas where dust settles to avoid excessive accumulation of this combustible material. Minimize blowdown or other practices that generate high airborne-dust concentrations

LOCAL EXHAUST — Provide local exhaust as needed so that exposure limits are met.
MECHANICAL (GENERAL) — Provide general ventitation in processing and storage areas so that exposure limits are met

Page 1 MSDS 083110

SECTION 9 - Physical and Chemical Properties NAP (Wood): 3,164"F (1,740"C) (Lead)

Evaporation Rate (Bulyl acetale = 1): Solubility in Water (% by weight): % Volatile by Wellime [@ 70 °F (21 °C)] Specific Gravity (H2O = 1) Vapor Pressure (mm Hg): Vapor Density (air = 1: 1 atni)

Boiling Point (@ 760 mm Hg):

NAP

Variable for wood; depends on species and moisture content. 11.3 (Lead) NAP (Wood); 62^{n} F (Lead) Insoluble

SECTION 10 - Stability and Reactivity

Stable (). Unstable (x)

NAP

Incompatibility (Materials to Avoid): Stability Hazardous Decomposition or Byproducts Stable Conditions to Avoid

Depending on moisture content, availability of oxygen, and temperature, thermal decomposition products include carbon monoxide, water, various additydes (both aliphatic and aromatic), tars, carbon, and lead furnes. Avoid open flame. Product may ignite at temperatures in excess of 400°F (204°C) () May occur (x) Will not occur Avaid contact with oxidizing agents

Hazardous Polymenzation

SECTION 11 - Toxicological Information

No information available for product in purchased form. Individual component information is listed below if available

Wood: Wood dust (softwood or hardwood) OSHA Hazard Raling = 3.3; moderately toxic with probable oral lethal dose to humans being 0.5-5 g/kg (about 1 pound for a 70 kg or 150 pound person).
Paper: (cellulose): LD50 (rat. inhalation) = 5.800 mg/m3/4 hours

150 ug/3 days, infermittent exposure produced mild results; human eye, 1 pami6 minuels produced mild results. Toxicity studies: numen inhalation TCLo of 17 mg/m3 for 30 minutes produced eye Formaldehyde: OSHA hazard ruling = 3 for local and systemic scale and chromic exposures; highly loxic, limitation studies, human skin. Resin solids: None

Lead: TDL0 (wurran, oral) = 450 mg/kg/6Y broduced flaccid paralysis, hallucinations, distorted perceptions, and muscle weakness, TCLo and pulmonary results, human inhitiation TCLs of 300 ug/m3 produced nose and central nervous system results; LC50 (rat. inhalation) = 1.000 mg/m3/30 minutes; LC50 (mice, inhalation) = 400 mg/m3/2 hours

(burnan, inhalotion) = 10 ug/m3 produced pastribs and liver changes (liver results not specified)

Source. OSHA Regulated Hazardous Substances. Government Institutes, Inc., February 1990, Registry of Toxic Effects of Chemical Substances (RTECS). National Institute for Occupational Safety and Health (provided by Canadian Centre for Occupational Health and Safety, CCINFO November 1995),

SECTION 12 - Ecological Information

No information available at this time

SECTION 13 - Disposal Considerations

Waste Disposal Method: It is the user's responsibility to determine at the time of disposal whether the product meet EPA RCRA criteria for hazardous waste. Follow applicable federal, state and local regulations

SECTION 14 - Transport Information

Not regulated by the U.S. Department of Transportation

SECTION 15 - Regulatory Information

TSCA

All ingredients are on the TSCA inventory

STATE RIGHT-TO KNOW

This product is known to contain substances subject to the disclosure requirements of:

California Prop 65 - Lead. This product also contains formaldehyde which depending on temperature and humidity may be emitted from the product. Formaldehyde is a compound that is known in the State of California to cause cancer. The manufacturer of the cone material, Weyerhaeuser, has evaluated formaldehyde emission rates from its products and have found these rates to be below the 'no significant risk' level that would require product warnings.

New Jersey - Formaldehyde and lead

substance in Pennsylvania * Pennsylvania - Lead; When out or otherwise machined, the product may emit wood dust and formaldehyde both are listed

SARA 313 Information: To the best of our knowledge, this product contains no chemical except lead that is subject to SARA Title III Section 313 supplier notification requirements

SARA 311/312 Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under SARA Title III Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

- An immediate (acute) health hazard -yes (lead)
- *A delayed (chronic) health hazard yes (formaldehyde, lead) *A fire hazard no

- * A sudden release hazard no

SECTION 16 - Additional Information

Date Prepared: 09/18/02 Date Revised: 08/2010

Prepared By: Manufacturing Management

User's Responsibility. The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue

Definition of Common Terms:

ACGIH = American Conference of Governmental Industrial Hygienists

C = Celling Limit

CAS# = Chemical Abstracts System Number EPA = Environmental Protection Agency

IARC = International Agency for Research on Cancer

LCLo = Lowest concentration in air resulting in death LC50 = Concentration in air resulting in death to 50% of experimental animals

LDLo = Lowest dose resulting in death

LD50 = Administered dose resulting in death to 50% of experimental animals

MSHA = Mining Safety and Health Administration NAP = Not Applicable

NAV = Not Available

NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration PEL = Permissible Exposure Limit

RCRA = Resource Conservation and Recovery Act STEL = Short-Term Exposure Limit (15 minutes)

TCLo = Lowest concentration in air resulting in a toxic effect TDLo = Lowest dose resulting in a toxic effect TLV = Threshold Limit Value

TWA = Time-Weighted Average (8 hours)

WHMIS = Workplace Hazardous Materials Information System

Page 2 MSDS 083110