

Information Concerning Acid Effects on LVL

- ◇ Acetone has no effect on hardened PF glue.
- ◇ Acetone can extract some resins from wood but has practically no effect on wood's performance.
- ◇ Both wood and PF glue are affected by strong sulphuric acid (over 50%). The Effect on wood could be compared to charring in high temperature, i.e., wood is destroyed rather slowly starting from surfaces.

Generally the wood breaks down first under acid attack. Even untreated wood is relatively resistant to most chemicals and is widely used (i.e., in lab tests) where it is frequently exposed to strong solvents and acids.

The Acid Effect on LVL Adhesives by Adhesive Manufacturer, Priha Inc.

- ◇ PF-resins in the hardened state are very resistant to most chemical reagents.
- ◇ They are unaffected by all ordinary organic solvents and water.
- ◇ PF-resins are affected by strong aqueous alkalis solutions (such as sodium hydroxide).
- ◇ They are resistant to most acids, except sulfuric acid stronger than 50%, formic and oxidizing acids such as nitric and chromic acids.

Contact a Finnforest USA representative for more information about Master Plank® LVL boards.

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Finnforest Oy	EMERGENCY TELEPHONE NO. 358-12-24331
ADDRESS (Number, Street, City, State, and Zip Code) P.O. Box 24, SF-08101 Lohja, Finland	
CHEMICAL NAME AND SYNONYMS Laminated Veneer Lumber	TRADE NAME AND SYNONYMS Master Plank
CHEMICAL FAMILY Wood	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	%	TLV (Units)	ALLOYS & METALLIC COATINGS	%	TLV (Units)
PIGMENTS:			BASE METAL:		
CATALYST:			ALLOYS:		
VEHICLE:			METALLIC COATINGS:		
SOLVENTS:			FILLER METAL PLUS COATING OR CORE FLUX:		
ADDITIVES:			OTHERS:		
OTHERS:					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Phenol-formaldehyde resin	7	

SECTION III - PHYSICAL DATA

BOILING POINT (°F)		SPECIFIC GRAVITY (H ₂ O=1)	0.5
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (____ = 1)	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR:			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used)	None	FLAMMABLE LIMITS	N/A	LeI:	Uel:
EXTINGUISHING MEDIA:	Water, foam, dry chemicals				
SPECIAL FIRE FIGHTING PROCEDURES:	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
EFFECTS OF OVEREXPOSURE:
EMERGENCY AND FIRST AID PROCEDURES:

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	<input type="checkbox"/>	CONDITIONS TO AVOID:
	STABLE	<input checked="" type="checkbox"/>	
INCOMPATIBILITY (materials to avoid):			
HAZARDOUS DECOMPOSITION PRODUCTS:			
HAZARDOUS	MAY OCCUR:	<input type="checkbox"/>	CONDITIONS TO AVOID:
POLYMERIZATION	WILL NOT OCCUR:	<input checked="" type="checkbox"/>	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
WASTE DISPOSAL METHOD: Recycling or combustion Combustion temperature should exceed 1300F.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type):		
VENTILATION	LOCAL EXHAUST:	SPECIAL:
	MECHANICAL (general):	OTHER:
PROTECTIVE GLOVES: YES / NO	EYE PROTECTION: YES / NO	
OTHER PROTECTIVE EQUIPMENT:		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
OTHER PRECAUTIONS: