



**MATERIAL SAFETY DATA SHEET
LOW PRESSURE LAMINATE
DECORATIVE PANEL**

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SECTION I - PRODUCT INFORMATION

PRODUCT NAME:

Lamclad®
Pluswood™
MelaQuinella™
MCP
Nevamar LamMates™
Quinella™
Vinylface™

PRODUCT SYNONYM:

Laminated Panel

PRODUCT DESCRIPTION:

Low Pressure Laminated Decorative Panel

MANUFACTURER'S NAME AND ADDRESS:

Nevamar Company, LLC	Nevamar Company, LLC 2901	Nevamar Company, LLC
Pluswood	Anaconda Road	14277 Ramona Ave
2750 Vinland Road	Tarboro, NC 27886	Chino, CA 91710
Oshkosh, WI 54903		

TECHNICAL CONTACT:

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SECTION II - HAZARDOUS COMPONENTS

COMPONENT WEIGHT

(C.A.S. Number) PERCENT (%) OSHA PEL ACGIH TLV

No hazardous ingredients according to OSHA 1910.1200.

Additional Information:

Component:	Wood Fiber (may cause wood dust during fabrication operations)
	Formaldehyde (trace quantities)
CAS Number:	Wood Dust None
	Formaldehyde 50-00-0



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Percentage: Wood Fiber <93%
Free Formaldehyde <0.1%

Exposure Limits:

Wood Dust - Soft Wood
OSHA PEL TWA 15 mg/m3 -- total
5 mg/m3 -- respirable
OSHA PEL STEL None
ACGIH TLV TWA 5 mg/m3
ACGIH TLV STEL 10 mg/m3
Wood Dust - Hard Wood
OSHA PEL TWA 15 mg/m3 -- total
5 mg/m3 -- respirable
OSHA PEL STEL None
ACGIH TLV TWA 1 mg/m3
ACGIH TLV STEL None

Note: In AFL-CIO v. OSHA 965 F. 2d 962 (11th Cir. 1992), the court overturned OSHA's 1989 Air Contaminants Rule, including the specific PELs for wood dust that OSHA had established at that time. The 1989 PELs were: TWA - 5 mg/m3; STEL 10 mg/m3 (all soft and hard woods, except Western Red Cedar, which had a TWA - 2.5 mg/m3). Wood dust is now officially regulated as an organic dust under the Particulates Not Otherwise Regulated (PNOR) or Inert or Nuisance Dust categories. However, a number of states have incorporated provisions of the 1989 standard in their state plans.

Formaldehyde
OSHA AL-TWA 0.50 ppm
OSHA PEL TWA 0.75 ppm
OSHA PEL STEL 2.00 ppm
ACGIH TLV CEIL 0.30 ppm

SECTION III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR:

Flat panel. Color dependent on paper. Low odor.

MOLECULAR WEIGHT:

Not applicable to mixture.

SPECIFIC GRAVITY:

Specific gravity less than water.

SOLUBILITY IN WATER:

Insoluble in water.

pH:

Not applicable as product is solid.



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SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT:

Not Applicable

FIRE EXTINGUISHING MEDIA:

Product is considered class "A" type fuel. Use water, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES:

In a sustained fire, self-contained breathing apparatus should be worn.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Wood dust generated from sawing/sanding the product must be stored in a cool dry location away from ignition sources. Wood dust is a strong to severe explosion hazard in the event that a wood dust cloud contacts an ignition source.

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition may release toxic and/or hazardous gases such as carbon monoxide, carbon dioxide, methane and aldehydes.

SECTION V - REACTIVITY DATA

STABILITY:

Product is stable. Hot humid storage of wood dust generated from this product can result in spontaneous combustion. High temperature and high humidity can cause increased formaldehyde emissions from this product.

CONDITIONS TO AVOID:

Open flame.

INCOMPATIBILITY:

Avoid contact with oxidizing agents and with drying oils.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may release toxic and/or hazardous gases such as carbon monoxide, carbon dioxide, methane and aldehydes.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.



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SECTION VI - HEALTH HAZARD INFORMATION

EXPOSURE FROM ROUTINE USE:

Dust from machining or sawing operations can cause irritation to the eyes, respiratory system and skin.

ROUTES OF EXPOSURE:

Potential routes of exposure are inhalation as well as skin and eye contact. Formaldehyde is a skin sensitizer.

EFFECTS OF OVEREXPOSURE:

INHALATION EFFECTS: Overexposure to nuisance dust when sawing and sanding can cause irritation of the respiratory tract. Wood dust may cause nasal dryness, irritation and obstruction of the respiratory system as well as coughing, wheezing and sneezing. Tearing of the eyes and irritation of the stomach may occur. Avoid prolonged repeated breathing of wood dust in air. Repeated exposures to certain wood dusts can produce allergic responses such as dermatitis, asthma and bronchitis. Exposure to formaldehyde vapors can cause irritation of the eyes, nose and throat as well as nausea and headaches.

INHALATION CHRONIC EXPOSURE EFFECTS: The National Toxicology Program (NTP) lists wood dust as a known human carcinogen in the *Tenth Report on Carcinogens*. NIOSH lists wood dusts as Class-X (carcinogen without further categorization). IARC classified wood dust as a carcinogen to humans (Group I). Formaldehyde is classified by ACGIH as a suspected human carcinogen of the lung, nasopharynx, oropharynx and nasal passages when exposure limits are exceeded. EPA and OSHA consider formaldehyde as a probable human carcinogen. Young children and the elderly may be more at risk in the presence of formaldehyde emissions. Those persons with a history of allergies, asthma or lung problems may also be at a great risk from both wood dust and formaldehyde emissions. Formaldehyde is known to the State of California to cause cancer, birth defects or other reproductive harm.

ACUTE EYE AND DERMAL EFFECTS: Prolonged skin exposure to dust may cause drying of the skin. Dust can cause corneal abrasions due to mechanical irritation. Formaldehyde vapors can cause eye irritation.

CHRONIC EYE AND DERMAL EFFECTS: No data available.

MEDICAL CONDITIONS AGGRAVATED: Persons with a history of allergies, asthma or lung problems may be at a greater risk from both wood dust and formaldehyde vapors.

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of dust remains (approximately 15 - 20 minutes)

SKIN CONTACT: Wash affected area with soap and water to remove residual dust. Utilize skin lotion to moisten hands to minimize dryness.

INHALATION: Remove from exposure to fresh air immediately.

INGESTION: Treat symptomatically and supportively if dust is ingested.



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SECTION VII - TOXICITY DATA

<u>ORAL:</u>	No data available.
<u>DERMAL:</u>	No data available.
<u>INHALATION:</u>	No data available.
<u>EYE:</u>	No data available.
<u>CARCINOGENICITY:</u>	Product has not been tested for carcinogenicity. See Section VI for carcinogenicity data for components.

SECTION VIII - SPECIAL PROTECTION INFORMATION

WORK AND HYGIENE PRACTICES:

Practice good personal hygiene when handling product. After contact with dust, wash hands before eating, drinking or smoking. Do not eat, drink or smoke in areas where the product is being cut or sawn. Wear safety glasses or goggles in fabrication operations that may generate airborne dust. Avoid blowing dust with compressed air. If creating wood dust in enclosed environment, use general and local explosion-proof ventilation systems.

STORAGE AND HANDLING PRACTICES:

Formaldehyde emissions are detectable as a pungent odor. The odor increases in areas of poor ventilation. The rate of formaldehyde release from the product reduces over time. Emission levels become much lower over extended periods.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Pick up spillage. Use vacuum systems rather than compressed air to remove wood dust.

VENTILATION AND ENGINEERING CONTROLS:

Provide adequate general and local exhaust ventilation to maintain airborne concentrations below the exposure limits. Enclose fabrication operations, where possible, to minimize dust dispersion into other work areas.

RESPIRATORY PROTECTION:

Where dust exposures may exceed the regulatory standards, respirators should be selected by and under the direction of a trained health and safety professional following requirements found in OSHA's respiratory protection standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992).

EYE PROTECTION:

Wear ANSI-approved safety glasses or goggles in fabrication operations that may generate airborne dust. Comply with OSHA Personal Protective Equipment Standard (29 CFR 1910.133).

SKIN PROTECTION:

To prevent drying of skin, wear gloves to protect from exposure to dust.



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SECTION IX - SPILL, LEAK, AND DISPOSAL PROCEDURES

IN CASE MATERIAL IS SPILLED OR RELEASED:

Do not use compressed air to remove dust. Vacuum or wet mop area.

SECTION X - REGULATORY INFORMATION

STATEMENT OF HAZARDS FOR LABELS:

WOOD DUST -- Caution! Wood dust generated by sawing, sanding or other machining of board can act as a mechanical irritant affecting the eyes, upper respiratory tract and skin. Can cause lung, upper respiratory tract, eye and skin irritation.

FORMALDEHYDE -- Formaldehyde vapors can act as an irritant affecting the eyes, nose and throat.

DOT: Not regulated.

Additional Requirements for State of California: Warning: Decorative laminate products contain formaldehyde, a substance known to the State of California to cause cancer. Laminates contain small amounts of residual formaldehyde that may be released in measurable quantities when stored in bulk quantities.

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