



**MATERIAL SAFETY DATA SHEET  
HIGH PRESSURE LAMINATE  
FIRE RETARDANT GRADES**

**SECTION I - PRODUCT INFORMATION**

PRODUCT NAME:

Nevamar® High Pressure Decorative Laminate -- Fire Retardant  
NEMA Grades SGF, HGF, VGF and SPI25 FR Laminate

CHEMICAL NAME:

Laminated Plastic

CHEMICAL FAMILY:

Plastic Composite

PRODUCT USE:

Decorative Surface Covering for Fire Retardant Applications

MANUFACTURER'S NAME AND ADDRESS:

NEVAMAR COMPANY, LLC  
One Nevamar Place  
Hampton, South Carolina 29924

INFORMATION TELEPHONE NUMBER:

Customer Service  
(803) 943-7200 (Eastern Standard Time)

EMERGENCY TELEPHONE NUMBER:

Chemtrec (800) 424-9300

**SECTION II - HAZARDOUS COMPONENTS**

COMPONENT (C.A.S. Registry Number)	WEIGHT PERCENT	OSHA PEL	ACGIH TLV
Ethanol, 2-chloro, phosphate (3:1) (115-96-8)	<4%	None	None
Antimony Oxide (1309-64-4)	<2%	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>

Nuisance dust may be generated during cutting or sanding operations.  
Nuisance dust is considered as "Particulates Not Otherwise Classified" or "Particulates Not Otherwise Regulated".

	OSHA PEL	ACGIH TLV
Particulates Not Otherwise Classified or Regulated	--- TWA 15 mg/m <sup>3</sup> (Total Dust) STEL None	--- TWA 10 mg/m <sup>3</sup> (Inhalable Particulate) STEL None
Particulates Not Otherwise Classified or Regulated	--- TWA 5 mg/m <sup>3</sup> (Respirable Particulate) STEL None	--- TWA 3 mg/m <sup>3</sup> STEL None



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## SECTION III - PHYSICAL PROPERTIES

### APPEARANCE AND ODOR:

Laminate sheet. No discernible odor.

### MOLECULAR WEIGHT:

Not applicable due to composite nature of product.

### SPECIFIC GRAVITY:

1.2 @ 70 F

### SOLUBILITY IN WATER:

Insoluble in water.

### pH:

Not applicable as product is solid.

## SECTION IV - FIRE AND EXPLOSION DATA:

### FLASH POINT:

Product has no flashpoint per Pensky Martins Closed Cup method.

### FIRE EXTINGUISHING MEDIA:

This product is not defined as flammable or combustible. The material is self-extinguishing once the source of ignition is removed. It is not sensitive to static discharge. However, this product may support combustion and decompose under fire conditions.

FLAMMABLE LIMITS: LOWER: None UPPER: None

### SPECIAL FIRE FIGHTING PROCEDURES:

No special procedures required.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Minimize accumulation of dust from cutting or sanding operations through use of local ventilation systems, as the dust may support combustion and decompose under fire conditions.

### HAZARDOUS COMBUSTION PRODUCTS:

Fire conditions may cause release toxic and/or hazardous gases such as phosphorus oxides, hydrogen chloride and oxides of carbon.



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## SECTION V - REACTIVITY DATA

### STABILITY:

Product is stable.

### CONDITIONS TO AVOID:

Avoid exposure to open flame.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Fire conditions may cause release toxic and/or hazardous gases such as phosphorus oxides, hydrogen chloride and oxides of carbon.

### HAZARDOUS POLYMERIZATION:

Will not occur.

## SECTION VI - HEALTH HAZARD INFORMATION

### EXPOSURE FROM ROUTINE USE:

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

### EFFECTS OF OVEREXPOSURE:

Exposure to elevated dust levels may cause irritation to the eyes and respiratory system. Prolonged skin exposure to dust may cause drying of the skin.

### ROUTES OF EXPOSURE:

Potential routes of exposure are inhalation as well as skin and eye contact.

### 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.

INHALATION: Remove from exposure to fresh air immediately.

INGESTION: Treat symptomatically and supportively if dust is ingested.

### OTHER:

The resin used to make this plastic contains small amounts of formaldehyde. The cured plastic may evolve small amounts of formaldehyde when fabrication or heating of the product occurs. Air testing of representative fabrication operations indicates that formaldehyde releases are minimal and formaldehyde air concentrations are below regulatory standards. Formaldehyde has been identified as a skin sensitizer in low concentrations and as a probable human carcinogen (IARC-2A, pharyngeal cancer excess in formaldehyde exposed workers). The organophosphorus mixture used to provide the fire retardant characteristics of this plastic is considered a class of compounds that can typically cause cholinesterase inhibition. Human experience and animal tests with this component have not shown the mixture to be a cholinesterase inhibitor. Human symptoms of such inhibition may include salivation, sweating, headache, nausea, muscle twitching, tremors, uncoordination, blurred vision, tears, abdominal cramps, diarrhea, and/or chest discomfort.



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## SECTION VII - TOXICITY DATA

ORAL: No data available.  
DERMAL: No data available.  
INHALATION: No data available.  
EYE: No data available.  
CARCINOGENICITY: Product has not been tested for carcinogenicity.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

### WORK AND HYGIENE PRACTICES:

Wear safety glasses or goggles in fabrication operations that may generate airborne dust. Wear gloves during exposure to dust or frequently wash hands to remove residual dust. Maintain airborne dust limits below the exposure limits. Minimize dust generation and accumulation from fabrication operations. Sweep up dust. Avoid blowing dust with compressed air.

### STORAGE AND HANDLING PRACTICES:

No special requirements for the products.

### PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Do not use compressed air to remove dust from equipment. Sweep or wash dust from unit.

### 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 used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respirator protection (Z88.2-1992).

### EYE PROTECTION:

Wear ANSI-approved safety glasses or goggles in fabrication operations that may generate airborne dust.

### HAND AND BODY PROTECTION:

To prevent drying of skin, wear gloves during exposure to dust or frequently wash hands to remove residual dust. Use hand lotion to moisten hands.



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### SECTION IX - SPILL, LEAK AND DISPOSAL PROCEDURES

#### IN CASE MATERIAL IS SPILLED OR RELEASED:

Dispose of dust or excess material according to applicable federal, state and local regulations.

### SECTION X - REGULATORY INFORMATION

DOT: Product not regulated by D.O.T.

PROP 65: The component ethanol, 2-chloro, phosphate (31) is listed on the California Proposition 65 chemical list. California customers must be provided with the label "Warning! This product contains a chemical known to the State of California to cause cancer."

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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