



## SAFETY DATA SHEET

### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

**Product:** Nevamar High Pressure Laminate – Aluminum Core

**Recommended Use:** Used as a decorative surface for building applications

**Manufacturer Information:** Pioneer Plastics Corporation  
1 Pionite Road  
Auburn, ME 04211  
(207) 784-9111

**Emergency Contact (24 hours):** CHEMTREC 1-800-424-9300

### SECTION II – HAZARD IDENTIFICATION

**GHS Classification:** Combustible Dust

**GHS Signal Word:** Danger

**GHS Pictograms:** None

**Hazard Statement:** The mixture does not meet the criteria for classification. May form combustible dust concentrations in air when processed.

**Precautionary Statement:**

Prevention	Not applicable
Response	Not applicable
Storage	Not applicable
Disposal	Dispose of contents in accordance with Federal, State and local regulations
Hazards not otherwise classified	None Known

### SECTION III – COMPOSITION INFORMATION

CHEMICAL IDENTITY	CAS NUMBER	PER CENT BY WEIGHT
Aluminum	7429-90-5	54-83%
Silicon	7440-21-3	< 1.7%
Iron	7439-89-6	< 1%
Zinc	7440-66-6	< 3.2%

Magnesium	7439-95-4	< 5.1%
Nickel	7440-02-0	< 0.1 % (impurity)
Manganese	7439-96-5	< 2 %
Lead	7439-92-1	< 0.1 % (impurity)
Chromium	7440-47-3	< 1%
Polyvinyl butyral	68648-78-2	0 – 5.3%

## SECTION IV – FIRST AID MEASURES

Inhalation:	Not expected under normal use. If exposed to dust and fumes from processing: remove to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms after removal to fresh air, call a doctor or other qualified professional.
Eye Contact:	Not expected under normal use. If exposed to dust and fumes from processing: Flush eyes repeatedly with water. Seek fresh air. If irritation persists, consult a specialist.
Skin Contact:	Not expected under normal use. If exposed to dust and fumes from processing: Wash affected areas with soap and water. Get medical attention if rash or irritation persists or dermatitis occurs.
Ingestion:	Not likely to occur under normal conditions of use.
Most important symptoms/effects, acute and delayed:	Not expected under normal use. If exposed to dust and fumes from processing: Can cause irritation of the upper respiratory tract.
Recommendations for Immediate Medical Care/Special Treatment:	Keep victim under observation. Symptoms may be delayed.

## SECTION V – FIREFIGHTING MEASURES

### Extinguishing media:

Use Class D extinguishing agents on small chips or fines. Use coarse water spray on chips, turnings, etc. DO NOT USE halogenated extinguishing agents on small chips/fines  
DO NOT USE water in fighting fires around molten metal.

### Special Hazards:

Dust clouds may be explosive.  
Chips/fines and dust in contact with water can generate flammable/explosive hydrogen gas

Molten aluminum and water can be an explosive combination. The risk is greatest when there is sufficient molten metal to entrap or seal off the water. If confined, even a few drops of water can lead to violent explosion.

**Recommendations on Protective Equipment:** Firefighters should use appropriate personal protective equipment including self-contained breathing apparatus.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Personal Precautions/Emergency Procedures:** Avoid generating dust. Avoid contact with skin and eyes. Avoid contact with sharp edges or heated metal.

**Environmental Precautions:** No special precautions required.

**Clean-up Procedures:** No special procedures required.

## SECTION VII – HANDLING AND STORAGE

**Precautions to be taken in handling and storing:** Store flat if possible. Avoid excessive heat or humidity. Store dust away from heat and ignition sources. Do not use compressed air to remove dust from equipment.

## SECTION VIII – EXPOSURE CONTROL /PERSONAL PROTECTION

<b>OSHA Permissible Exposure Limits:</b>	Formaldehyde (50-00-0)	TWA: 0.75 ppm STEL: 2 ppm (15 min)
	Aluminum (7429-90-5)	TWA: 15.0 mg/m <sup>3</sup> (total dust) TWA: 5.0 mg/m <sup>3</sup> (respirable fraction) ACGIH: TWA 1 mg/m <sup>3</sup>
	Chromium (7440-47-3)	TWA: 1 mg/m <sup>3</sup> ACGIH: TWA 0.5 mg/m <sup>3</sup>
	Manganese (7439-96-5)	Ceiling (fume): 5 mg/m <sup>3</sup>
	Nickel (7440-02-0)	TWA: 1 mg/m <sup>3</sup> ACGIH: TWA 1.5 mg/m <sup>3</sup> (inhalable fraction)
	Silicon (7440-21-3)	TWA: 15.0 mg/m <sup>3</sup> (total dust) TWA: 5.0 mg/m <sup>3</sup> (respirable fraction)
	Lead (7439-92-1)	TWA: 0.05 mg/m <sup>3</sup>
	Dust	TWA: 15.0 mg/m <sup>3</sup> (total dust) TWA: 5.0 mg/m <sup>3</sup> (respirable fraction)

**Ventilation controls:** Provide adequate general and local exhaust ventilation to maintain airborne concentrations below the exposure

<b>Hand protection:</b>	limits. Enclose fabrication operations, where possible, to minimize dust dispersion into other work areas. Wear gloves during exposure to dust or frequently wash hands to remove residual dust. Also wear gloves when handling finished sheets to avoid sharp edges.
<b>Eye protection:</b>	Wear ANSI-approved safety glasses or goggles in fabrication operations that may generate airborne dust.
<b>Respiratory protection:</b>	None should be required during normal operations. 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).
<b>Body protection:</b>	No special precautions are required. If exposed to dust wash with soap and water to remove any material from the skin.
<b>Foot protection:</b>	Safety shoes.
<b>General Hygiene/Safety Measures:</b>	Wear protective clothing as necessary to prevent contact. Wash soiled clothing immediately.

## SECTION IX - PHYSICAL DATA

<b>Appearance:</b>	Rigid, solid sheet with aluminum core. Various thickness and surface colors/patterns.
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Melting Point:</b>	Not applicable
<b>Boiling point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Lower Explosion Limit:</b>	Not available
<b>Upper Explosion Limit:</b>	Not available
<b>Autoignition:</b>	>450° F
<b>Decomposition Temperature:</b>	Not available
<b>Vapor pressure:</b>	Not applicable
<b>Specific gravity:</b>	>1
<b>Vapor density:</b>	Not applicable
<b>Partition Coefficient n-octanol/water:</b>	Not applicable
<b>Viscosity:</b>	Not applicable
<b>Solubility in water (% by weight):</b>	Insoluble
<b>Evaporation rate (Butyl acetate = 1):</b>	Not applicable

## SECTION X – STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under normal conditions of storage, use and transport.
<b>Chemical Stability:</b>	Stable under normal conditions of storage, use and transport.
<b>Possibility of Hazardous Reactions:</b>	None Known.
<b>Conditions to Avoid:</b>	Avoid exposure to open flame. For finely divided aluminum (e.g. small chips, fines): <ul style="list-style-type: none"> <li><i>With Water:</i> Slowly generates hydrogen and heat. Water/aluminum mixtures may be hazardous when confined.</li> <li><i>With Heat:</i> Oxidizes at a rate dependent upon temperature.</li> <li><i>With Strong Oxidizers:</i> Violent reaction with much heat generation.</li> <li><i>With Acids and Alkalies:</i> Reacts to generate hydrogen.</li> <li><i>With Halogenated Compounds:</i> Halogenated hydrocarbons can react violently</li> </ul>
<b>Incompatibility (Materials to Avoid):</b>	Molten aluminum can react violently with water, rust, certain metal oxides and nitrates.
<b>Hazardous decomposition products:</b>	Combustion of the material can release phenols, formaldehyde and oxides of nitrogen and carbon.

## SECTION XI- TOXICOLOGICAL PROPERTIES

<b>Route of Entry:</b>	Skin contact [X]	Skin absorption [ ]	Eye contact [X]
	Inhalation [X]	Ingestion [X]	

### EFFECTS OF ACUTE EXPOSURE:

#### **Health Effects associated with ingredients:**

Aluminum dust: Low health risk by inhalation

Manganese dust: Chronic overexposures can cause inflammation of the lung tissues, scarring of the lungs, central nervous system damage, secondary Parkinson's disease and reproductive harm in males

Chromium dust: Can cause irritation of skin, eye and respiratory tract

Nickel dust: Can cause irritation of eyes, skin and respiratory tract. Chronic overexposures can cause perforation of the nasal septum, inflammation of the nasal passages, respiratory sensitization, asthma, and scarring of the lungs. Listed as possibly carcinogenic to humans by IARC (Group 2B)

Lead dust: Can cause irritation of the eyes and upper respiratory tract. Acute overexposures can cause nausea and muscle cramps. Chronic overexposure can cause weakness in the extremities, abdominal cramps, gastrointestinal tract effects, kidney damage, liver damage, and central nervous system damage, damage to the blood forming organs, blood cell damage and reproductive harm.

<b>Inhalation:</b>	Not considered a problem under normal use. Dust and fumes from processing may cause irritation of the upper respiratory tract.
<b>Eye Contact:</b>	Not considered a problem under normal use. Dust and fumes from processing may cause irritation.
<b>Skin Contact:</b>	Not considered a problem under normal use. Dust and fumes from processing may cause irritation.
<b>Skin Absorption:</b>	Not likely to occur.
<b>Ingestion:</b>	Not likely to occur.

<b>Toxicity:</b>	Aluminum dust/fume LD <sub>50</sub> : >2000 mg/kg (rat – oral) LC <sub>50</sub> : > 2.3 mg/l (rat-inhalation)
	Nickel dust/fume: LD <sub>50</sub> : >9000 mg/kg (rat – oral)
	Zinc dust/fume: LD <sub>50</sub> : >630 mg/kg (rat – oral)
<b>Irritancy:</b>	Not available
<b>Sensitization:</b>	Not available
<b>Carcinogenicity:</b>	Chromium (VI) compounds – IARC Class 1 Lead - IARC Class 2B Nickel – IARC Class 1
<b>Reproductive toxicity:</b>	Product as shipped does not present a hazard. Dust from mechanical processing can present a potential hazard due to lead.
<b>Teratogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Toxicologically synergistic products:</b>	Not available

**Symptoms of Exposure:** No significant reaction to the product is expected.

## SECTION XII – ECOLOGICAL INFO

<b>Toxicity:</b>	No information available for finished laminate.
<b>Biodegradation and Elimination:</b>	Not readily biodegradable.
<b>Bioaccumulation Potential:</b>	No information available.

**Mobility:** No information available.  
**Additional Information:** No additional information available.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**Waste disposal method:** This product is not considered a hazardous waste under EPA Hazardous Waste Regulations 40 CFR Part 261, however, State and local requirements for waste disposal may differ and should be reviewed.  
 Can be landfilled or incinerated in accordance with local, provincial, state, federal regulations.  
 Do not discharge substance/product into sewer system.

**Container disposal** Dispose of in accordance with local, provincial, state, federal regulations.

## SECTION XIV – TRANSPORT INFORMATION

**PIN Number** Not applicable.  
**TDG Shipping Name** Not applicable.  
**TDG Hazard Class** Not applicable.  
**DOT Class** Not regulated.  
**IATA** Not regulated.  
**IMDG** Not regulated.

It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the material.

## SECTION XV – REGULATORY INFORMATION

**NFPA Rating:** Health: 1 Flammability: 0 Reactivity: 0  
**HMIS Rating:** Health: 1 Flammability: 0 Reactivity: 0

**OSHA (29CFR 1910.1200):** See Section II of MSDS.

**TSCA:** All components are listed on the TSCA Inventory.

**CERCLA RQ:** This product contains the following chemical(s) which have reportable quantities:

Chromium  
 Lead  
 Manganese  
 Nickel  
 Zinc

**SARA 311/312:** Immediate (Acute) Health Hazard: Yes ( If particulate/fumes generated)  
 Delayed (Chronic) Health Hazard: Yes ( If particulate/fumes generated)  
 Fire Hazard: No  
 Reactive Hazard: No  
 Sudden Release of Pressure Hazard: No

**SARA 313:** This product contains chemical(s) in concentrations which should require reporting under SARA 313.

Aluminum	CAS 7429-90-5	54-83%
Zinc	CAS 7440-66-6	< 3.2%
Manganese	CAS 7439-96-5	< 2%
Nickel	CAS 7440-02-0	< 0.1%
Lead	CAS 7439-92-1	< 0.1%

**California Prop 65:** 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.

Hexavalent chromium and lead potentially contained in the aluminum alloy is subject to California Proposition 65 as a Carcinogenic substance, Developmental Toxin, and Reproductive Toxin (male and female).

Nickel potentially contained in the aluminum alloy is subject to California Proposition 65 as a Carcinogenic substance.

## SECTION XVI – OTHER INFORMATION

**Revision Date:** 8/1/18

### DISCLAIMER:

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state, provincial and local laws and regulations. Panolam Industries makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Panolam Industries will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.