

## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: Laminam 3+, Laminam 5+, Laminam 12+  
 Product Use: Coating of surfaces, floors and Benchtops  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Laminex New Zealand**  
 Address: 31 Rockridge Ave  
 Penrose  
 Auckland, 1642

Telephone: 0800 303 606  
**Emergency No: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 10 December 2020

### Section 2. Hazards Identification

**This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017.**

### Section 3. Composition / Information on Ingredients

Ceramic material combined with fiberglass blanket with two-component polyurethane adhesive.

Ingredients	CAS NUMBER.	Wt%
Clay(containing, in variable percentage): Montmorillonite	1302-78-9	To 100%
Kaolinite	1318-47-7	
Illite	106958-53-6	
Fiberglass	65997-17-3	
Binders and adhesives	-	

### Section 4. First Aid Measures (for construction uses)

Routes of Exposure:

If in Eyes Wash eyes with running water.  
If irritation is experienced or splinters enter the eyes obtain medical attention.

If on Skin No specific effect is known due to skin contact of the material in the standard form (slabs). If the skin is cut, obtain medical attention

If Inhaled Dust must not be inhaled. Immediately remove patient to fresh air if breathing difficulties or asthma symptoms. Immediately seek medical advice if patient has a history of asthma and does not carry an inhaler.

If ingested Treat symptomatically and supportively if dust is ingested.

## Section 5. Fire Fighting Measures

<b>Hazard Type</b>	The product is not flammable.
<b>Hazards from decomposition products</b>	The binder and adhesive components start decomposing at temperatures over 200°C with formation of gases that may contain carbon dioxide, as well as carbon oxide, nitrogen oxides and partially un-burnt carbon compounds, depending on the combustion conditions.
<b>Suitable Extinguishing media</b>	Carbon dioxide, foam, powder, sprayed water
<b>Precautions for firefighters and special protective clothing</b>	Use fire-fighting media and protection means suitable for the fire extent and to the other materials in the affected area.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

## Section 6. Accidental Release Measures

For handling whole slabs or parts of slabs use anti-cut gloves and goggles.

**Dust** Significant quantities of large surface area particles (dust, shavings, small off-cuts, machining dust) must not be left on a site where they can be washed away or buried in the subsoil.

Notify local pollution authority if large spill of particles occurs into a stream or waterway. Dispose of off cuts to authorised landfill. Consult Regional Council for disposal options

## Section 7. Handling and Storage

### HANDLING:

- Use anti-cut gloves and goggles.
- Wear accident-preventing shoes with reinforced tip above all when large-sized slabs are handled.
- If the material is in cut, crushed or abraded pieces protect the skin against the exposure to dust.
- Do not eat or drink in the working areas.

### STORAGE:

- No special storage conditions are required, but the material must be stored in a dry place.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS NZ WorkSafe New Zealand (provided for guidance only)

Substance	TWA	
	ppm	mg/m <sup>3</sup>
Inhalable particulate		10
Respirable particulate		10
Fiberglass		5
Free crystalline silica		0.025

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

**ENGINEERING CONTROLS:**

If the material is mechanically processed and generates dust, identify the potential exposure situations and arrange the relevant technical and organizing actions (local suction points and/or suitable ventilation).

**PERSONAL PROTECTIVE EQUIPMENT:**

<b>Eyes</b>	There is the possibility of splinters or exposure to particles that may cause discomfort to the eyes: wear goggles and face protecting mask.
<b>Hands and Skin</b>	Wear anti-cut gloves to handle the material and to process it in pieces. Just wear clean clothing covering the body when handling whole slabs. No other measure is necessary. Avoid contact of the skin with the dust resulting from processing the slabs.
<b>Respiratory</b>	If dust is present, wear a filtering mask with particulate filter.

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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<b>Appearance</b>	Solid slab
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not applicable
<b>pH</b>	Not applicable as product is solid.
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Not applicable
<b>Upper and Lower Explosive Limits</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable
<b>Specific Gravity (water=1)</b>	2.3
<b>Solubility in water</b>	Insoluble in water
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not applicable
<b>Kinematic Viscosity</b>	Not applicable
<b>Particle Characteristics</b>	Not applicable
<b>% Volatiles</b>	Not applicable
<b>Gross calorific value</b>	Non-combustible

<b>Section 10. Stability and Reactivity</b>
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<b>Chemical Stability</b>	Stable under normal storage and use conditions.
<b>Conditions to Avoid</b>	None known.
<b>Incompatibility</b>	None known.
<b>Hazardous Decomposition Products</b>	The binder and adhesive components start decomposing at temperatures over 200°C with formation of gases that may contain carbon dioxide, as well as carbon oxide, nitrogen oxides and partially unburnt carbon compounds, depending on the combustion conditions.

<b>Section 11 Toxicological Information</b>
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**Acute Effects:**

<b>Swallowed</b>	Not applicable.
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<b>Dermal</b>	Not applicable.
<b>Inhalation/Respiratory</b>	Irritation and other effects are possible following to dust inhalation.
<b>Eye</b>	The product in dust may cause irritation or corneal injury due to mechanical action.
<b>Skin</b>	Dust from cutting or sanding operations can cause irritation to the skin. Prolonged skin exposure to dust may cause drying of the skin.

### **Chronic Effects:**

<b>Carcinogenicity</b>	Not triggered. As for glass fibers, the International Agency for Research on Cancer (IARC) has defined the continuous glass fiber filaments as non-classifiable as for human carcinogenicity (Group 3). The results of studies on man and animals have been evaluated by IARC as insufficient to classify the continuous glass fiber filaments as possible, probable or certain carcinogenic material.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>Chronic Effects</b>	Considering the composition (ceramic material in traditional porcelain stoneware combined with a fiberglass blanket) the dust formed when cutting, crushing or grinding the slabs may contain free crystalline silica and glass fibers. Exposure to dust over the limits indicated in Section 8 resulting from cutting, crushing or grinding the slabs without the exposure control means specified in Section 8 can cause silicosis or other diseases.

### **Section 12. Ecotoxicological Information**

<b>Persistence and degradability</b>	Poorly biodegradable. Stable also under other environmental degradation processes such as oxidation or hydrolysis.
<b>Bioaccumulation</b>	Neglectable considering the very low solubility and the high molecular weight of the product.
<b>Mobility in Soil</b>	Considering the low biodegradability and solubility, the product shows a reduced mobility in the different environmental compartments.
<b>Other adverse effects</b>	The product ground in very small parts may cause harmful effects due to mechanical reasons if swallowed by water birds or animals living in the water.

### **Section 13. Disposal Considerations**

Dispose of off cuts to authorised landfill. Consult Regional Council for disposal options.

### **Section 14 Transport Information**

This substance is not classified as a dangerous good in NZ according to NZS5433: 2012

### **Section 15 Regulatory Information**

**This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017**

<b>Section 16</b>	<b>Other Information</b>
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**Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

**References:**

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

**Disclaimer**

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Please contact the New Zealand distributor, if further information is required.

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