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:	Architectural Surfaces including Bendchtops, walls, floors and facades
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:	26 August 2026

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. It is considered a Manufactured Article.

Ceramic slab products are mixtures of predominantly clays, silica sand, and feldspars. The finished products are odorless, stabe, non-flammabe, and pose no immediate hazard to health.
Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced when cutting, grinding, or polishing ceramic sab products.

Crystalline Silica dust will be given off when boards are cut, drilled or sanded.

Pictograms

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Carcinogenicity Cat. 1	H350	May cause cancer.
Specific target organ toxicity – repeated exposure Cat. 1	H372	Causes damage to organs through prolonged or repeated exposure.
Specific target organ toxicity – single exposure Cat. 3 respiratory tract irritation	H335	May cause respiratory irritation.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260 + P261	Do not breathe dust.

P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only a well-ventilated area.
P280	Wear protective clothing [as detailed in SDS Section 8].

Response Code	**Response Statement**
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Section 3. Composition / Information on Hazardous Ingredients

Substances	**(%w/w)**	**CAS NUMBER.**
Crystalline Silica as Quartz	5 - 20	14808-60-7
Mullite	5 - 10	1302-93-8
Amorphous Silica	60 - 70	7631-86-9
Feldspar	5 - 10	68476-25-5
Fibreglass &	To 100	65997-17-3
Binders & Adhesives	To 100	

Section 4. First Aid Measures

When boards are cut, drilled or sanded, dust will be given off.

If in Eyes — Rinse cautiously with water for 15 minutes if dust gets into eyes. If eye irritation persists: Get medical advice.

If on Skin — Wash with mild soap and running water. Remove clothing contaminated with wood dust. Seek medical attention if symptoms persist. For cuts, clean wound and apply antiseptic dressing.

If Swallowed — Unlikely to occur but swallowing the dust may result in abdominal discomfort. If dust swallowed, wash out mouth thoroughly with water. Seek medical attention if needed.

If Inhaled — Remove to fresh air if exposed to large amounts of dust. Administer artificial respiration if breathing has stopped. Keep individual at rest. Seek medical attention if needed.

Most important symptoms and effects, both acute and delayed

Symptoms: May cause respiratory irritation. May cause cancer. May cause damage to lungs through prolonged or repeated exposure

Other: If exposed or concerned, get medical advice and attention. Have emergency eyewash stations available in areas where products are cut

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from products	No data available.
Suitable Extinguishing media	ABC fire extinguisher.
Precautions for firefighters and	Full protective clothing and self-contained breathing apparatus should be worn for firefighting.

special protective clothing	
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

For emergency responders:
Wear protective equipment as detailed in Section 8. Do not breathe dust. Do not get dust in eyes, on skin or on clothing.

Environmental precautions:
This product is not classified as hazardous to the environment.

Methods and material for containment and cleaning up:
Avoid creating dust. Clean up dust with a vacuum system with a high-efficiency particulate air (HEPA) filter vacuum or damp sweeping. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- SILICA DUST is harmful if inhaled. Repeated inhalation of respirable crystalline silica dust from cutting, grinding, polishing, intentional breaking, machining, shaping, sweeping, or other clean-up tasks during fabrication can cause acute lung injury, silicosis, cancer, or kidney diseases. Silicosis is a progressive, disabling, and often fatal lung disease. Wear a respirator when cutting, grinding, polishing, intentionally breaking, machining, shaping, sweeping, or cleaning up during fabrication as required by NIOSH and/or the Cal/OSHA standard.
- Use wet cutting methods and do not dry cut.
- Segregate work that involves repeated cutting, grinding, polishing, intentional breaking, machining, or shaping.
- Wash contaminated clothing before reuse and do not take work clothes home.

Precautions for Storage:

- Do not store near acids.
- If ceramic slab products contact some acids, damage/discoloration to the surface may occur.
- Shelf life is unlimited.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	**TWA ppm**	**TWA mg/m³**	**STEL ppm**	**STEL mg/m³**
Silica-Crystalline	-	0.025(r)	-	-

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 FEB 2025 15TH EDITION.

Engineering Controls
Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhalation of dust. The highest probability of silica exposure occurs when using dry cutting methods.

Personal Protection Equipment

Eyes	Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contact lenses in work areas.
Skin	Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure to dust and/or cuts. Wash hands prior to eating, drinking, or smoking, and at the end of the work shift, after cutting operations are conducted. Wear protective clothing and safety boots.
Respiratory	Wear a respirator when cutting, grinding, polishing, intentionally breaking, machining, shaping, sweeping, or cleaning up during fabrication as required by NIOSH and/or the Cal/OSHA standard.

Section 9 Physical and Chemical Properties

Appearance	Brittle solid; color may vary
Odour	Odourless
Odour Threshold	Not available
pH	Not available
Boiling Point	2230^0C
Melting Point	1710^0C
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	Avoid contact with acids (e.g., hydrofluoric, etc.)
Incompatible Materials	Avoid contact with acids (e.g., hydrofluoric, etc.)
Hazardous Decomposition Products	Avoid contact with acids (e.g., hydrofluoric, etc.)

Section 11 Toxicological Information

Acute Effects:
No acute effects from exposure to intact ceramic slab products are known.

In very rare cases, symptoms of acute silicosis, a form of silicosis (a nodular pulmonary fibrosis) associated with exposure to respirable crystalline silica, may develop following acute exposure to extremely dusty environments in excess of established permissible occupational exposure limits and/or failure to follow product use instructions or regulatory standards. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can arise from many other causes. Working with broken or cut ceramic slabs produces a potential

for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting.

Chronic Effects:
No chronic effects are known for exposure to intact ceramic slab products.

Long-term, continual exposure to respirable crystalline silica in excess of established permissible occupational exposure limits and/or failure to follow product use instructions or regulatory standards may lead to the development of silicosis, a nodular pulmonary fibrosis (NPF). NPFs are also associated with pulmonary tuberculosis, bronchitis, emphysema, COPD, and other airway diseases. This type of chronic exposure to silica dust may also result in the development of autoimmune disorders, chronic renal disease, and other adverse health effects. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can also arise from many other causes.

Potential Adverse Interactions:
Silicosis may be complicated by severe mycobacterial or fungal infections and result in tuberculosis (TB). Silicosis is a risk factor for developing TB. Any existing respiratory or pulmonary diseases may be complicated by exposure to an excess of respirable crystalline silica. Smoking may increase the risk of adverse effects if done in conjunction with occupational exposure to silica dust at or above permissible exposure limits.

Carcinogen Status:
Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group I Carcinogen (carcinogenic to humans). The National Toxicology Program (9th Report) lists respirable crystalline silica as "Known to be a Human Carcinogen." USDOL/OSHA lists crystalline silica in the OSHA Hazard Communication Carcinogen list.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:
Waste should be disposed of in a landfill certified to accept such materials in accordance with local regulations.
Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020. It is considered a Manufactured Article.

Section 16 Other Information

Glossary

EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.

EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	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 FEB 2025 15th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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