

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Laminex Laboratory Grade Compact**
Product Use: Decorative Laminate
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Laminex New Zealand**
Address: 1 O'Rorke Road
Penrose
Auckland

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

Manufacturer: Maica Laminates Sdn Bhd
5100, lorong Mak Mandin 5
Mak Mandin Industrial Estate
13400 Butterworth, Penang, Malaysia
Tel: +604-332 7436/7

Date of SDS Preparation: 25 June 2020

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Laminex Laboratory Grade Compact are fully cured and therefore chemically inert. VOC gas released from surfaces and edges is extremely low. Laminex Laboratory Grade Compact formaldehyde emission level is far below the limit for wood-based materials (emission << Formaldehyde Class E1).

Furthermore, the low chemical emissions were tested by UL Environment, according to the GREENGUARD Method and Laboratory Quality Requirements and ASTM D5116 standard. Laminex Laboratory Grade Compact were awarded two GREENGUARD marks from GREENGUARD Environmental Institute: GREENGUARD Certification mark and GREENGUARD GOLD Certification mark for complying with the requirements.

The decorative surfaces are resistant to all common household solvents and chemicals and have therefore been used for many years in applications where cleanliness and hygiene are important.

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The decorative surfaces are resistant to all common household solvents and chemicals and have therefore been used for many years in applications where cleanliness and hygiene are important. The non-porous Laminex Laboratory Grade Compact surfaces and edges are easy to disinfect with hot water, steam and all common types of disinfectants used in hospitals and professional applications.

No halogen, biocides, pesticides, heavy metals (e.g. lead, cadmium, chromiumVI, mercury), or plasticizers are being used in production. Level of heavy metals is therefore present at level below the GreenLabel requirement.

Section 3. Composition / Information on Hazardous Ingredients

Substances	HPL (%w/w)	Compact (%w/w)	CAS NUMBER.
Fiber	47.0 – 68.0	55.0 – 68.0	Not applicable
Resin	29.0 – 46.0	29.0 – 40.0	Not applicable
Other	3.0 – 9.0	2.0 – 6.0	Not applicable

Section 4. First Aid Measures

Routes of Exposure:

- If in Eyes Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.
- If on Skin Wash with mild soap and running water. Seek medical attention if symptoms persist. For cuts, clean wound and apply antiseptic dressing.
- If Swallowed Wash out mouth thoroughly with water. Give water to drink. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
- If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from combustion products	The intact product and dust must not be burnt in barbeques; combustion stoves or open fires in the home as irritating gases are emitted.
Suitable Extinguishing media	Use water, fog, CO2, foam or dry chemical fire extinguishers.
Precautions for firefighters and special protective clothing	Full protective clothing and self-contained breathing apparatus should be worn for firefighting. Avoid breathing smoke from laser cutting machines and from burning or smoldering materials.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8.

Off-cuts and general waste materials should be placed in containers and disposed of at approved landfill sites, or burnt in an approved furnace or incinerator, in accordance with disposal authority guidelines detailed in Section 13.

Dust from the laminates should be cleaned up by vacuuming or wet sweeping.

Section 7. Handling and Storage

Precautions for Handling and Storage:

- Laminates should be stored in well ventilated areas away from sources of heat, flame or sparks.
- No special transport requirements are necessary.
- Storage and transportation should be carried out in accordance with Maica Product Care, Handling and Storage

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No substances have exposure limits.

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

All work with these laminates should be carried out in such a way as to minimize the generation of, and exposure to dust. Under factory conditions, sawing, drilling, sanding, heat processing etc. should be done with equipment fitted with exhaust devices capable of removing dust, gas and vapour at source. Hand power tools should be fitted with the dust bags and used in well-ventilated areas.

Work areas should be well-ventilated. These areas should be cleaned daily, and dust removed by vacuum cleaning or wet sweeping method.

Personal Protection Equipment



Eyes	Dust resistant safety glasses or non-fogging goggles should be worn when machining.
Skin	Wear loose, comfortable clothing. After handling the laminates, wash hand with mild soap and water. Do not scratch or rub the skin if it becomes irritated. Wash work clothes regularly and separately from other clothes. Comfortable light weight leather or protective gloves should be worn.
Respiratory	A class P1 or P2 replaceable filter or disposable half face-piece particulates respirator should be worn when machining. Respirators should comply with AS/NZS 1716 and be selected, used and maintained in accordance with AS/NZS 1715.
Flammability	Keep all storage and work areas well-ventilated to avoid build-up of dust that can ignite. Avoid sources of radiant heat and flame; and avoid sparks

and sources of ignition in all electrical equipment, including dust extraction equipment. People must not smoke in storage or work areas. Products will only burn in a fire situation and in the presence of open flames.

Section 9 Physical and Chemical Properties

Appearance	Solid Sheet - Maica products are a high pressure decorative compact laminate sheet consisting of layers of cellulosic fibrous impregnated with thermosetting resins and bonded together by a high pressure process.
Odour	Newly manufactured board and freshly cut surfaces may have an odour due to residue formaldehyde from the resin binder.
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
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
Density	>1,35 g/cm ³
Water Solubility	Insoluble in water, oil, methanol, diethyl ether, n-octanol, acetone
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Heavy Metals	Does not contain toxic compounds of antimony, barium, cadmium, chromium III, chromium VI, lead, mercury, selenium.

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	Carbon oxides (CO and CO ₂)

Section 11 Toxicological Information

MaiLaminate and maiCompact are not considered to be dangerous for humans and animals. There is no evidence of maiLaminate and maiCompact toxicological effects.

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

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:

Dispose of according to 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 5433:2012

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017.

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

Product Name: Laminex Laboratory Grade Compact

SDS Prepared by: Technical Compliance

Consultants (NZ) Ltd

Date of SDS: 25 June 2020

Tel: 64 9 475 5240

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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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