

The Laminex Group  
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**MATERIAL SAFETY DATA SHEET NO. 102**

**STATEMENT OF HAZARDOUS NATURE:** In its intact state this product is not classified as a hazardous substance according to the criteria of Worksafe Australia

**LAMINEX - MELAMINE EDGESTRIP**

**IMPORTANT NOTICE:** This Material Safety Data Sheet (MSDS) is issued by The Laminex Group in accordance with Worksafe Australia Guidelines. As such, the information contained herein must not be altered, deleted or added to. The Laminex Group will issue a new MSDS when there is a change in product specifications and/or Worksafe Australia guidelines/regulations. The Laminex Group will not accept any responsibility for any changes made to its MSDS in content by any other person.

**COMPOSITION & INFORMATION ON INGREDIENTS**

<b>Substance</b>	<b>CAS No.</b>	<b>Proportion</b>
Paper – pigmented	None	40 - 50%
Melamine formaldehyde resin	9003-08-1	40 - 50%
Vulcanised fibre		< 15%

The above ingredients are bound together under heat and pressure. The process "cures" the resin but small amounts of formaldehyde may be released from the finished product

No other hazardous materials are present in this product at concentrations above the cut off levels as noted in the "List of Designated Hazardous Substances" NOHSC: 10005 (1994) or as defined in the "Approved Criteria for Classifying Hazardous Substances" NOHSC: 10008 (1994).

**AICS status:** All components of the finished product are listed on the AICS.

**HAZARD IDENTIFICATION**

**Emergency Overview:**

The laminates in their intact state do not release airborne dusts, gases or vapours. When the laminates are cut, drilled or sanded, etc. dust may be released.

The known health effects of the ingredients are as follows:

**Formaldehyde:**

Formaldehyde gas and dilute solutions of formaldehyde in water are irritating to the nose and throat, eyes and skin. The gas and solutions are also sensitisers and cases of allergic dermatitis and asthma have been reported.

On the basis of sufficient evidence that formaldehyde caused cancer in experiments with rats, the International Agency for Research on Cancer (IARC) assessed formaldehyde in 1982 as "Group 2A, probably carcinogenic to humans".

**Aluminium:**

Dust in high concentrations may cause irritation of the eyes, nose, throat and upper respiratory tract.

Exposures to the mixed dusts from the laminates may result in the following health effects:

**Acute:**

Swallowed: The dusts may cause tissue irritation but an acute toxic response is unlikely to occur.

Eye: The dusts are irritating to the eyes causing discomfort and redness.

Skin: The dusts may irritate the skin, resulting in itching and occasionally a red rash. Allergic dermatitis may occur. During handling, sharp edges may cut the skin.

Inhaled: The dusts may irritate the nose and throat, especially in people with upper respiratory tract or chest complaints. Allergic asthma may occur.

**Chronic:**

Repeated exposures over many years to uncontrolled dusts from these laminates could result in allergic dermatitis, asthma or chronic nose or throat irritation in some people.

If the work practices noted in this MSDS are followed, exposures to airborne dusts will be well within government recommended parameters for maintaining a healthy environment, and no chronic health effects are anticipated.

## FIRST AID MEASURES

**First Aid:**

Swallowed: Do not induce vomiting - seek medical attention.

Eye: Flush with flowing water for at least 15 minutes, and if symptoms persist seek immediate medical attention.

Skin: Wash with mild soap and running water. For cuts, clean and dress wounds. Seek medical attention if symptoms persist.

Inhaled: Leave the dusty area.

**Advice to Doctor:** Treat symptomatically.

## FIRE FIGHTING MEASURES

These laminates are flammable but difficult to ignite. Avoid a build up of dust and keep all storage and work areas well ventilated. 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.

Early Fire Hazard Indices to AS1530, Part 3.

Typical indices for the products are:-

Ignitability Index: 11  
Heat Evolved Index: 1

Spread of Flame Index: 0  
Smoke Developed Index: 4

Burning or smouldering laminates or dust can generate carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen cyanide and other pyrolysis products typical of burning organic material. Use water, foam, carbon dioxide or dry chemical fire extinguishers.

Avoid breathing smoke from burning or smouldering laminate. Dry dusts in high concentrations can be explosive. Fire-fighters to wear breathing apparatus.

## ACCIDENTAL RELEASE MEASURES

Off cuts and general waste material 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.

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

## HANDLING & STORAGE

The laminates should be stored in well ventilated areas away from sources of heat, flame or sparks.

No special transport requirements are considered necessary.

## PRECAUTIONS FOR USE

### Exposure Standards:

The Worksafe Australia Exposure Standards (published in October 1991) for formaldehyde and aluminium are:

**Formaldehyde:** 1 ppm (1.2 mg/m<sup>3</sup>) time-weighted average (TWA); and  
2 ppm (2.5 mg/m<sup>3</sup>) short term exposure limit (STEL).

It is also listed as a sensitiser and a Category 2 carcinogen.

*Worksafe Australia has defined Category 2 (probable human carcinogens) as "those substances for which there is sufficient evidence to provide a strong presumption that human exposure may result in the development of cancer. This evidence is generally based on appropriate long term animal studies, limited epidemiological evidence or other relevant information."*

**Aluminium dust:** 10 mg/m<sup>3</sup> time weighted average (TWA).

### Engineering Controls:

All work with these laminates should be carried out in such a way as to minimise the generation of dusts.

Under factory conditions, sawing, drilling, sanding, etc. should be done with equipment fitted with exhaust devices capable of removing dusts at source. Hand power tools should be used in well ventilated areas so as to avoid the spread of dusts.

Storage and work areas should be well ventilated.

Work areas should be cleaned at least daily, and dust removed by vacuum cleaning or wet sweeping method.

### Personal Protection:

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**Clothing:** Wear loose, comfortable clothing. Long-sleeved shirts and trousers are recommended if skin irritation occurs. After handling laminates, wash off dust with mild soap and water. Do not scratch or rub the skin if it becomes irritated. Wash work clothes regularly and separate from other clothes.

**Gloves:** Comfortable work gloves should be worn.

**Respirator:** A Class P1 or P2 replaceable filter or disposable face-piece respirator together with safety glasses or non-fogging goggles (to comply with AS1337) should be worn when sawing, drilling or sanding, etc. Respirators should comply with AS 1716 and be selected, used and maintained in accordance with AS 1715.

## PHYSICAL & CHEMICAL PROPERTIES

The products are manufactured as high pressure laminates, in sheet form and ranging in thickness from 0.5mm to 18mm. They are made from layers of resin impregnated paper which are bonded together under heat and pressure. Newly manufactured laminates and freshly cut surfaces may have an odour due to the resin.

Boiling point, °C:	Not applicable
Vapour Pressure, mm Hg at 25°C:	Not applicable
Vapour Density:	Not applicable
Solubility in Water, g/l:	Negligible
Volatiles, %:	Negligible
Specific Gravity:	1.1 - 1.5
Flash Point, °C:	Not applicable
Flammability Limits, %:	Not applicable
Auto ignition Temperature, °C:	Does not auto-ignite
Corrosiveness:	Non-corrosive

**Uses:** Decorative surfacing of furniture, cabinets, bench tops, walls, ceilings, floors and doors.

## STABILITY & REACTIVITY

**Reactivity:** Stable at normal temperature and pressures

## ECOLOGICAL INFORMATION

No data available for the product. Do not allow to enter the environment. Waste material should be collected and disposed of according to the relevant Local / State or Federal regulations

## DISPOSAL

Refer to Land Waste Management Authority

## TRANSPORT INFORMATION

<b>Product Name/Names:</b>	Laminex Lamicore	Laminex Melamine Edging
UN Number:		None allocated
Dangerous Goods Class and Subsidiary Risk:		None allocated
HAZCHEM Code:		None allocated
Poisons Schedule:		None allocated

## OTHER INFORMATION

### Contact Point:

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