

Material Safety Data Sheet

1. Product Identification

Product	Manufacturer
Guardboard™	Guardboard 62A Lipton Dr Thomastown, Vic 3074 Australia

2. Ingredients/Identity Information

Name	CAS Numbers *	% Total **
Unbleached virgin pulp (80%) and recycled pulp (20%) (mostly cellulose)	None	97-98
Retention aid (polyacrylamide)	Several	0.05-0.08
Drainage aid (bentonite)	Several	0.2-0.3
Defoamer (papermachine, oil in water)	Mixture	<0.01
Alum (aluminium sulphate)	7784-26-1	0-1
Cationic rosin	Mixture	0-1
Sodium hydrosulphite (optional)	7775-14-6	0-1
Biocides (papermachine)	Several	Negligible #
Dye (red and yellow)	Mixture	0-1

* CAS nos. are assigned to discrete chemical entities and not assigned to mixtures.

** Additives are estimated on dosages. Most can be detected but very hard to quantify, as they are present in such small amounts.

Biocides are designed to degrade rapidly.

3. Physical & Chemical Properties

<p>Form: Solid sheet in paper roll</p> <p>Colour: Brown</p> <p>Odour: Neutral</p> <p>Change in physical state: None until contact with fire or water</p> <p>Flash Point: No development of volatile and inflammable vapours</p> <p>Autoignition Temperature: 232°C</p> <p>Water solubility: Insoluble</p>
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4. Hazards Identification

<p>Primary health hazard: The primary health hazard posed by this product is thought to be due to exposure to dust.</p> <p>Primary route of exposure:</p> <p>() Ingestion:</p> <p>() Skin:</p> <p>() Inhalation: Dust</p> <p>Medical Conditions Generally Aggravated by Exposure: Cellulose dust may aggravate pre-existing respiratory conditions or allergies.</p> <p>Chronic Health Hazards: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.</p> <p>Carcinogenic listing: Not listed.</p>

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5. First Aid Measures

Ingestion: Not applicable for product in purchased form.

Eye contact: Dust may mechanically irritate eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

Skin contact: Not applicable for product in purchased form.

Skin absorption: Not applicable for product in purchased form.

Inhalation: Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

6. Fire Fighting Measures

Special Firefighting Procedures: None

Extinguishing medium: Water

Unusual Fire and Explosion Hazards: Depending on moisture content, particle diameter and rate of heating, cellulose dust may explode in the presence of an ignition source.

7. Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled: Not applicable for product in purchased form. Sweep or vacuum dust for recovery or disposal. Minimize compressed air blowdown or other practices that generate high dust levels.

8. Handling and Storage

Precautions to be Taken in Handling and Storage: No special handling precautions are required. Keep in a cool, dry place away from open flame. Avoid storage near strong oxidizing agents e.g. strong oxidizing agents, open flame and sparks.

9. Exposure Control Measures

Personal Protective Equipment:

RESPIRATORY PROTECTION - Not applicable for product in purchased form. An approved respirator is recommended when allowable exposure limits may be exceeded.

PROTECTIVE GLOVES - Not applicable for product in purchased form. However, cloth or canvas gloves are recommended to minimize potential mechanical irritation from handling product.

EYE PROTECTION - Not applicable for product in purchased form. However, goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT - Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK HYGIENE PRACTICES - Not applicable for product in purchased form.

Ventilation:

LOCAL EXHAUST - Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) - Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL - None.

OTHER - None.

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10. Stability and Reactivity

Stability: Stable

Conditions to avoid: None

Materials to Avoid: Avoid contact with strong oxidizing agents e.g. sulphuric acid, hydrogen peroxide, open flame and sparks.

Hazardous Decomposition and By-products: Combustion products included carbon monoxide and carbon dioxide.

11. Toxicological Information

None available for product in purchased form.

12. Ecological Information

These products are biodegradable and not known for any ecotoxicity.

13. Disposal Considerations

Waste Disposal Method: Product can be recycled, deposited in a landfill or incinerated in accordance with federal, state and local regulations.

14. Transport Information

Not regulated as a hazardous material under transport regulations. UN number not applicable.

15. Other Information

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