

Material Safety Data Sheet

T1000®

Elliott Australia's T1000 is a Type E Glass Fibre – High Bulk borosilicate type. The intended use for this fabric is all high temperature applications where the need for thermal insulation is required.

| Identification | |
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| Identification reference | 112000 |
| Description | Vermiculite coated glass fiber cloth |
| Weave | Tabby |
| Weight (g/m ²) | 1430 |
| Thickness (mm) | 2 |
| Tensile strength Warp (N/cm) Weft (N/cm) | 1500 1500 |
| Melting temperature | 760°C |
| Service temperature | Up to 800°C |
| Roll length (metre) | 50 |
| Roll width (mm) | 1000 |
| N.B. Unless otherwise stated, all values quoted are nominal measurements. | |
| The information contained in this data sheet is believed to be true at the time of printing. Any statements contained or inferred to within are an expression of opinion and presented without guarantee. It is up to the user to determine suitability of use, or potential patent infringement for specific applications. | |

| Identification | |
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| Other names | Fibreglass, glassfibre |
| Chemical name | Low Alkali, Borosilicate Glass Fibre with an organic size (2.5%) |
| Component | SiO ₂ 65%, Al ₂ O ₃ 4%, B ₂ O ₃ 5%, MgO 3%, CaO 14%, Na ₂ O 8.5%, Fe ₂ O ₃ 0.5% |
| UN number | N/A |
| Dangerous goods class and subsidiary | Non-hazardous |
| Hazchem code | N/A |
| Hazard class | Non-combustible solid |
| Poisons schedule number | N/A |
| Use | Non-asbestos thermal insulation blanket. Welding Blankets, Stress Relieving Insulation, Furnace Curtains. |

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| Technical Data | |
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| Physical appearance: | |
| Appearance and odour | Yellow fibres with virtually no odour |
| Boiling point | N/A |
| Melting point | >760 deg. C |
| Vapour pressure | - |
| Vapour density (air = 1) | - |
| Density (Water=1): | 720gsm |
| Solubility in water | Below 0.01% |
| Percent volatile by volume (%) | - |
| Evaporation rate (n-butyl acetate = 100) | - |
| Firefighting Measures | |
| Flash point | N/A |
| Flammable limits in air % by volume | Lower: N/A Upper: N/A |
| Hazardous Products of Combustion | May form toxic and corrosive gases: carbon dioxide, carbon monoxide, hydrogen and water. |
| Extinguishing Media | Regular foam, carbon dioxide, dry chemical , water fog |
| Unusual fire and explosion hazards | None |
| Reactivity data: | |
| Stability | Stable |
| Conditions to avoid | None known |
| Incompatibility (materials to avoid) | None known |
| Hazardous decomposition products | May form toxic and corrosive gases: carbon dioxide, carbon monoxide, hydrogen and water. |
| Hazardous polymerization | Will not occur |

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| Health Hazard Information | |
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| Health hazard data: | |
| Threshold limit value | *10mg/m ³ of total dust or 5mg/m ³ of respirable dust (*Nh & Mrc recomm, 1984). These reinforcement fibres have a filament diameter greater than 6 microns and are not classified as respirable. |
| Effects of exposure: | |
| Eye (contact) | Direct contact will cause mechanical irritation. |
| Skin (contact and absorption) | Transient mechanical irritation. Occasionally there might be skin irritation noted by individuals who are initially exposed to fiberglass. |
| Inhalation (breathing) | Mechanical irritation of the mouth, nose and throat. |
| Ingestion (swallowing) | Observer individual. If symptoms of GI irritation develop, consult your GP. |
| Other health hazards | There is no credible evidence of other health problems however it would be wise to maintain worker exposure at a minimum level, particularly where trimming, sawing and grinding operations are being conducted. |
| First aid: | |
| Eye (contact) | Flush with water for 15 minutes – get medical assistance if irritation persists. |
| Skin (contact) | Wash exposed area with soap and water. Do not use warm water. |
| Inhalation (breathing) | Move individual away from exposure and into fresh air. |
| Ingestion (swallowing) | Unlikely, if occurs, seek medical attention. DO NOT INDUCE VOMITING |

Disclaimer

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