

Material Safety Data Sheet (MSDS)

ET1100 Composite Sheet

Section 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER PRODUCT NAME: ET 1100

Other Names: Not Relevant

Recommended Use: Insulating material for high resistance electrical and thermal applications

Supplier: Fintek Consulting Pty Ltd —Trading As ETherm Technologies (ABN 25 125 183 379)

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Section 2 - HAZARDS IDENTIFICATION HAZARD CLASSIFICATION:

Non-hazardous according to criteria of NOHSC. Risk Phrase(s): May be irritating to sensitised skin. May cause minor irritation to skin or eyes. May Cause Abrasion To Skin.

Safety Phrase(s): Care should be taken when machining as dust created may be irritating to sensitised skin & eyes. Avoid inhalation of dust.

Approved dust mask should be worn when machining.

Local exhaust , as required, when machining. Ensure adequate ventilation.

Personal Protective Equipment not required unless machining, may be desirable to protect skin from abrasion. Guard shield or safety glasses when machining.

Section 3 - COMPOSITION AND INFORMATION ON INGREDIENTS CORE INFORMATION:

ET 1100 is a fibre glass laminated thermoset composite with an inorganic substrate filler binder. Type III ingredients according to NOHSC:2011(2003)

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Section 4 - FIRST AID MEASURES CORE INFORMATION:

Skin contact: Rinse off with soap water. Eye contact: Rinse thoroughly with copious water. Ingestion: Rinse mouth and throat thoroughly with water. Drink water. Seek medical attention if symptoms persist. Inhalation: Remove from exposure and take preventative measures (see Safety Phrases). In case of irritation or prolonged allergic symptoms, seek medical attention.

Section 5 - FIRE FIGHTING MEASURES NON-FLAMMABLE:

Will not support combustion.

Section 6 - ACCIDENTAL RELEASE MEASURES:

Non-hazardous

Section 7 - HANDLING AND STORAGE HANDLING:

Wear protective gloves whenever handling laminated sheets. Use caution to prevent dust from dispersing during the cutting, milling, routing, boring, and grinding processes. Wear a dust-proof mask, gloves, protective goggles and any other suitable PPE eg boots.

Transportation: For sheets and heavy assemblies use suitable lifting equipment and handle with care.

Storage: Store away from direct sunlight to avoid discoloration. Use a cover if sunlight cannot be avoided. Store in a dry and cool area.

Storing in high temperature and humidity conditions may cause a decrease in electrical performance as well as warping or twisting. Store products on a flat surface. When storing upright, place a board against the sheets and use further precautions to prevent the sheets from falling over.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION NATIONAL EXPOSURE:

No National Exposure Standard specified in Standards: NOHSC Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].

Alternative Standards: No exposure standard allocated.

Biological Limit Values: No biological limit allocated.

Engineering Controls: Ventilation recommended if during the cutting, boring, and grinding processes. Wear a dust-proof mask, gloves, protective goggles and any other suitable PPE eg boots.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES CORE INFORMATION:

- a) **Appearance:** white or gray as sheet or manufactured components.
- b) **Odour:** does not apply.
- c) **pH:** does not apply.
- d) **Vapour pressure:** does not apply.
- e) **Vapour density:** does not apply.
- f) **Boiling point:** does not apply.
- g) **Freezing/melting point:** does not apply.
- h) **Solubility:** does not apply.
- i) **Specific gravity:** 1.8-2.2 (Density: 2.03 ASTM D 792)
- j) **Information for flammable materials:** does not apply.

Additional Information:

- a) **Specific heat value:** does not apply.
- b) **Particle size:** not available.
- c) **Volatile organic compounds (VOC) content:** does not apply.
- d) **Evaporation rate:** does not apply.
- e) **Viscosity:** does not apply.
- f) **Percent volatile:** not available.
- g) **Octanol/water partition coefficient:** not available.
- h) **Saturated vapour concentration:** does not apply.
- i) **Additional characteristics not noted above:** not available.

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Section 10 - STABILITY AND REACTIVITY CORE INFORMATION:

Stable under normal conditions of use. Not reactive.

Section 11 - TOXICOLOGICAL INFORMATION CORE INFORMATION:

No toxicological information is available.

Section 12 - ECOLOGICAL INFORMATION CORE INFORMATION:

No environmental impact information is available. Avoid contaminating waterways, drains or sewers.

Section 13 - DISPOSAL CONSIDERATIONS CORE INFORMATION:

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

Section 14 - TRANSPORT INFORMATION CORE INFORMATION:

UN Number: none allocated.

Proper Shipping Name: E Therm Insulation ET 1100.

Dangerous Goods Class: none allocated.

Packing Group: none allocated.

Hazchem Code: none allocated.

Section 15 - REGULATORY INFORMATION CORE INFORMATION:

Poison Schedule: none allocated.

Section 16 - OTHER INFORMATION ISSUE DATE: 27 May 2009. Issued by: Technical Manager.

Supersedes all previous MSDS issued by ETherm Technologies.