Material Safety Data Sheet

Product Name: Insulsteel – 4.0mm up to 10mm Thickness.

1.Product Description and Supplier Details.

Supplier Name:- **Thermacon Insulsteel Pty. Ltd.**

Address:- 16 Hodgson Way, Kewdale, WA. 6105

Telephone:- (08) 9353 6033

Fax:- (08) 9353 6066

Emergency:- 0429 599 523

Email:- info@thermacon.com.au

Web:- www.thermacon.com.au

General Uses: REFLECTIVE INSULATION * THERMO CELLULAR REFLECTIVE INSULATOR * THERMAL INSULATION.

2.Hazards Identification.

Hazards Identification. Void. Not classified as Hazardous

Not classified as a dangerous good by the ADG Code.

UN No.	Exempt	**DG Class:**	Exempt	**Additional Risks:**	None
Poisons Schedule:	Not Scheduled	**Hazchem Code:**	None		

3.Product and Chemical Composition

CAS No.	Component	Formula	% by Weight
7429-90-5	ALUMINIUM	Al	12%
9002-88-4	POLYETHYLENE	(C2-H4)n	88%

4. First Aid Measures

Eye Contact: Flush eyes with plenty of cold water. If symptoms persist consult a doctor.

Skin Contact: If molten material comes into contact with the skin, immerse skin under a stream of running water until cooled. **DO NOT** attempt to remove the resin from the skin. Removal can result in tissue damage. Seek medical attention.

Inhalation: Blow nose and rinse out mouth. If symptomatic, move to fresh air

Ingestion: Although highly unlikely due to the make-up of the product, if a considerable quantity of the product has been swallowed, seek medical attention, or contact the Poison Information Centre on 13 11 26

5. Fire Fighting Measures.

Flammability: Combustible. Formation of gases (carbon oxides, hydrocarbons,) is possible during heating or in case of fire.

Fire and Explosion: Evacuate area, toxic gases may be present in the event of fire. Firefighters should wear protective apparatus and extinguish with fire extinguishers. Use water fog to cool unaffected containers.

Extinguishing: Carbon Dioxide, Dry chemical, or Water Fog. Fight larger fires with foam.

6. Accidental Release Measures.

Spill and Leak Procedures: Sweep up spilled material for use or disposal. Good housekeeping must be maintained to avoid potential slipping problem.

7. Storage and Handling

Storage: Store in a cool, dry area. Keep away from sparks and open flame. This product may react with strong oxidizing agents and should not be stored near such materials. Store in sprinkled warehouse where possible. Keep temperature below 60^{o}C. for quality control.

Handling: Use safe work practices. Read the product label before handling. Prohibit eating, drinking, and smoking in storage areas.

Protective Measures During repair & Maintenance: Eliminate ignition source.

8. Exposure Controls/ Personal Protection.

Engineering Controls: Provide adequate ventilation. Avoid inhalation. Extruder should be properly vented.

PPE: Safety glasses. When cutting or drilling, wear dust-proof goggles and a Class P1 respirator.

9. Physical and Chemical Properties.

Appearance: Green Foam Insulator with Aluminium Foil on both sides with Green coating on one side.

Odour: Odourless

pH: Not applicable

Vapour Pressure: Not Available

Vapour Density: Not Available

Molecular Formula: $(C^2 H^4)$ x

Evaporation Rate: Not Available

Solubility in Water: Negligible

Specific Gravity: 0.900 – 0.935 (Foam)

%Volatiles: <0.4

Flammability: Combustible

Melting Point: > 100^{o}C

Boiling Point: Not Available

Flash Point: Not Available

10. Stability and Reactivity

Stability: Stable under correct storage conditions.

Conditions to Avoid: Temperatures above 300^{o}C. Avoid heat, open flames, sparks, and ignition sources.

Materials to Avoid: Strong oxidizing agents. Strong reaction to hydrofluoric acid. Acids and heat.

Decomposition Products: Carbon dioxide, Carbon monoxide, and organic vapours at decomposition temperature.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Toxicity to Animals: LD50: Not Available
LC50: Not Available

Health Hazard Summary: Non Toxic, under normal use. If cut or drilled, resulting dust may cause slight irritation.

Eye: Due to product form exposure is unlikely. Dust due to cutting may cause slight irritation.

Inhalation: Due to product form exposure is unlikely unless dust is formed.

Skin: No irritant effect.

Ingestion: Due to product ingestion is unlikely.

Chronic Effects on Humans: Carcinogenic Effects – Considered none by NTP, None by OSHA, 3 (Not classifiable for human.) by IARC.

Toxicity Information: Polyethylene (9002-88-4). When used and handled according to specifications, the product does not have any harmful effects.

12. Ecological Information.

Ecological Effects: Can be mechanically separated in sewage purification plants.

Ulterior indication: At present no eco-toxicological assessments are known**.**

Environment: Appropriate measures should be taken to prevent this product entering the environment.

13. Disposal Considerations.

Waste Disposal: Can be reused after processing. On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be deposited with domestic waste or incinerated with domestic waste.

Legislation: As local legislation can differ, please consult your local authorities.

14. Transport Information.

NOT CLASSIFIED AS A DANGEROUS GOOD, AND IS NOT A DOT CONTROLLED MATERIAL(USA)

Shipping name: None Allocated.

UN No. None Allocated

Dangerous Goods Class. None Allocated

Packing Group: None Allocated

Hazardous Chem. Code: None Allocated

Special Provisions: None Allocated

15. Regulatory Information.

Designation according to EC and SUSDP: The material is not subject to classification according to EC lists, nor has a schedule number been allocated to this product as per the Standard for the Uniform Scheduling of Drugs and Poisons. (SUSDP)

AICS: All chemicals are listed on the Australian Inventory of Chemical Substances (AICS)

Please Note: **Aluminium Foil is conductive to electricity. Please avoid uncoated electrical wires or equipment when storing or installing product.**

16. Other Informatiom.

Toxicology: Non Toxic.

The information herein is presented in the faith of accuracy. However, care should be taken during handling, as the information is based upon client experience and other information supplied to us. Users should observe the normal safety regulations when handling chemicals. All national regulations regarding this product type apply. Information is suggested in the belief that users shall make their own suitable determination for their purposes, and apply control measures where necessary. Contact us at any time should you have any problems in using this product.

The Personal Protection Equipment (PPE) mentioned in this SDS is a guideline only. Selection of PPE is at the discretion of the user.

All due care and attention has been taken by Thermacon Insulsteel Pty.Ltd. in compiling this MSDS, however it does not provide any warranty as to accuracy or completeness. Thermacon Insulsteel accepts no liability for any loss, damage, or injury, which may be suffered or incurred by any person as a result of their reliance on the information contained in this MSDS.

MSDS Date: 9th September 2011 Prepared by: Rodger B. Jones
Revision Date: 15th September 2016

END MSDS.