

Sisalation® Reflective Foil Insulation

Section 1: Identification of the Material and Supplier

Product name	Sisalation® Reflective Foil Insulation	
Other names:	Sisalation® 497 Tuff Wrap Sisalation® 497 Tuff Wrap Breather Sisalation® 433 Metal Roof MD Sisalation® 453 Metal Roof HD Sisalation® 456 Multipurpose EHD Sisalation® 465 Tile Roof HD Sisalation® 436 Facing Foil LD Sisalation® 430 Facing Foil MD	Sisalation® 450 Facing Foil HD Sisalation® 450P Facing Foil HD Perforated Sisalation® Vapastop 883 Sisalation® 444 Black Facing Foil HD Sisalation® 444P Black Facing Foil HD Perforated Sisalation® 433WF White Facing Foil MD Sisalation® 433WFP White Facing Foil MD Perforated
Recommended use:	Reflective insulation and sarking membranes	
Supplier:	Fletcher Insulation Pty Ltd	
Address:	127 Frankston-Dandenong Road, Dandenong South, VIC 3175	
Telephone:	1300 654 444	
Emergency contact:	1300 654 444 or Poisons Information Centre 13 11 26 (Australia Wide)	
Website:	www.insulation.com.au	
Important notice:	As Sisalation® Foil Membrane products manufactured or sold in Australia and New Zealand by Fletcher Insulation are classified as non-hazardous , a Safety Data Sheet (SDS) is not strictly required under Australian Regulations. As such, this Safe Use Information Sheet (SUIS) is issued by Fletcher Insulation for the information of users, installers and the community. It has been formatted in accordance with the Code on Preparation of a Safety Data Sheets for hazardous chemicals, December 2011, Safe Work Australia (SWA - formerly ASCC/NOHSC). The information in this SUIS must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SUIS by any other person or organization. The Supplier will issue a new SUIS when there is a change in product specifications and/or ASCC standards, codes, guidelines, or regulations.	

Section 2: Hazards Identification

Non-hazardous substance/non-dangerous goods

Statement of hazardous nature: Product as supplied is classified as Non-Hazardous according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC). Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008] 3rd Edition.

Sisalation® Reflective Foil Insulation is classified as Non-Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

When cut, abraded or heated to over 120°C, dust/fumes may be created which are classified as Hazardous. The following risk and safety phrases apply to any Antimony Trioxide in dust, or decomposition fumes from this product:

Risk phrases:	R36/37/38 Irritating to eyes, respiratory system and skin.
Safety phrases:	S36/37 Wear suitable protective clothing and gloves.

Section 3: Composition/Information on Ingredients

Ingredient (common name)	Proportion	CAS Number
Kraft paper:		-
Polyolefin weave material, coated:		-
Aluminum foil:	10 - < 30%	-
Chlorinated hydrocarbons (contained in other ingredients):	10 - < 30%	-
Antimony trioxide:	< 10% 1309-64-4	1309-64-4
Glass filament:	< 10%	-

Section 4: First Aid Measures

The following relate to treatment of any irritant health effects resulting from exposure to any dust or the fumes evolved if product is heated to above 120°C.

Inhalation:	Remove to fresh air. If symptoms persist seek medical attention.
Ingestion:	Unlikely under normal conditions of use. Rinse the lips and mouth with water, give water to drink, and seek medical attention.
Skin:	Sluice with water and, if irritation persists, seek medical attention.
Eyes:	Flush with copious amounts of water. If symptoms persist seek medical attention.
Notes to Doctor:	Treatment should be directed toward the source of irritation with symptomatic treatment as necessary.

Section 5: Fire Fighting Measures

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Specific hazards:	Sisalation® Reflective Foil will burn if involved in a fire. Delamination may occur at temperatures over 80°C.
Fire fighting procedures:	If product is present in a fire, toxic fumes may be evolved. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Firefighters wear full protective equipment including Self Contained Breathing Apparatus (SCBA) according to fire conditions.
Suitable extinguishing media:	Use extinguishing media (e.g. carbon dioxide, water, foam or dry chemical) and equipment as required by fire in surrounding materials.
Hazardous decomposition products:	Chlorine and hydrogen chlorine may be evolved if product is heated to above 120°C.
Hazchem Code:	Not allocated

Section 6: Accidental Release Measures

Containment and clean up procedure:	Reuse where possible or disposal according to local authority guidelines.
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Section 7: Handling and Storage

Handling:	Sisalation® Reflective Foil Insulation, as supplied and once installed, does not release dust, and does not cause any health effects.
Storage:	Store in sealed container in cool, dry area. Ensure packages are adequately labelled, protected from physical damage, and sealed when not in use.
Incompatibilities:	None

Section 8: Exposure Controls/Personal Protection

Exposure standards (Safe Work Australia):	<p>Safe Work Australia recommends the following Time Weighted Averages (TWA) to dust from the product or to fumes from high temperature decomposition:</p> <ul style="list-style-type: none"> - Chlorine: 3mg/m³ - Hydrogen Chloride: 7.5 mg/m³ Antimony Trioxide: 0.5 mg/m³ <p>Safe Work Australia standards provide that all exposures should be kept as low as practicable. Total dust (of any type, or particle size): 10 mg/m³ TWA.</p> <p>In typical installation conditions or where work is being done on insulated premises, a variety of dusts may be present. In any work area where almost all the airborne material is fibrous FBS-1, then a Workplace Exposure Standard (WES) of 2mg/m³ (inhalable dust) applies.</p> <p>An 8-hour time-weighted average (TWA) exposure is the average airborne concentration measured over an eight-hour working day and a 5-day working week, over an entire working life. According to current knowledge, this concentration should not impair the health or cause undue discomfort to nearly all workers.</p>
Engineering controls, ventilation:	During most applications and installation of this product, no special ventilation will be required.
Personal protection	
Respiratory protection:	Respiratory Protection: None required for this product in usual working conditions. An approved particulate respirator conforming to Australian and New Zealand Standards AS/NZS 1715 and 1716 is recommended if dust from the product is created. Heating of product above 120°C, may cause smoke or fumes, and cartridge-type or powered respirators or supplied-air helmets or suits may be necessary. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly and kept in clean storage when not in use.
Eye protection:	No specific requirements for this product. Eye protection recommended for work where dust or particles may be generated.
Skin protection:	Standard work clothing including gloves when cutting product.

Section 9: Physical and Chemical Properties

Appearance:	Sheet in roll form: outer face is aluminum foil, inner may be lacquered or plain foil or coated woven polyolefin.
Odour:	None
Melting range:	Adhesive softens at 70°C
Boiling range:	Not applicable
Decomposition temperature:	120°C
Volatile component (% vol):	None at normal working temperatures
Solubility in water (g/L):	Insoluble in water and common solvents
pH (as supplied)	Not applicable
Vapour Pressure:	Not applicable
Specific Gravity (H ₂ O = 1):	Not applicable (greater than 1)
Evaporation Rate:	Not applicable
Vapour Density:	Not applicable
Flash Point:	Not applicable
Lower/Upper Explosive Limits:	Not applicable

Section 10: Stability and Reactivity

Chemical stability:	Stable. No reported incompatibilities.
Hazardous decomposition products:	Heating to over 120°C will result in toxic fumes (chlorine and hydrogen chloride) being produced
Hazardous polymerisation:	None
Conditions to avoid:	Heating to over 120°C

Section 11: Toxicological Information

Inhalation:	None when using product as supplied. Dust may be slightly irritant and fumes from high temperature decomposition may be irritant and cause headaches, nausea and irritation of lungs (see Sections 5 and 8). Glass filament does not produce respirable glass fibres.
Ingestion:	Unlikely under normal conditions of use, but may result in mild irritation of the lips, mouth and throat.
Eye:	Physical irritant only. Dust or fumes from high temperature decomposition may cause eye discomfort resulting in watering and redness.
Skin:	None from handling product as supplied. Dust from cutting or abrading product may cause mild irritation.
Chronic health effects:	<p>No effects from chronic exposures to dust are reported. Antimony Trioxide (production) is regarded as a category 2 carcinogen (suspect human carcinogen) by Safe Work Australia in the list of Atmospheric Contaminants as released in April 2018.</p> <p>Antimony Trioxide itself is not classified as a carcinogen by Safe Work Australia. The Antimony Trioxide in this product (less than 10%) is not classifiable as carcinogenic. Exposure to dust from this product (or fumes from high temperature decomposition) is not known or suspected to be carcinogenic.</p>

Section 12: Ecological Information

Ecotoxicity:	Sisalation® Reflective Foil Insulation is inert and is not considered to pose any environmental or ecological risk.
Mobility:	Low mobility in landfill situations.
Persistence and Degradability:	Product would be expected to be of low bio-degradability and persistent in the environment.

Section 13: Disposal Considerations

Disposal methods and containers:	May be disposed of as common trade waste in accordance with local authority guidelines.
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Section 14: Transportation Information

Transport requirements:	Sisalation® Reflective Foil Insulation is not regulated as a Dangerous Good. No special transport requirements are necessary.
UN Number:	None allocated
Class:	None allocated
Subsidiary risk:	None allocated
Packing group:	None allocated
Hazchem code:	None allocated

Section 15: Regulatory Information

Poisons Schedule:	None
Poisons Information Centre	13 11 26 (Australia Wide)

Section 16: Other Information

Additional Information and Reference Documents

Poisons Information Centre 13 11 26 (Australia Wide)

Please read instructions/label before using product.

Code on Preparation of a Safety Data Sheets for hazardous chemicals, December 2011, Safe Work Australia.

Australian Standards References:

AS/NZS 1336	Eye and Face Protection Guidelines
AS/NZS 1715	Selection, Use and Maintenance of Respiratory Protective Equipment
AS/NZS 1716	Respiratory Protective Devices
AS/NZS 2161	Occupational Protective Gloves Selection, Use and Maintenance

Abbreviations used:

IARC:	International Agency for Research on Cancer
NTP:	National Toxicology Program (U.S.)
OSHA:	Occupational Safety and Health Administration (U.S.)
STEL:	Short term exposure limit
TWA:	Time weighted average

Prepared by: 4cRisk.com.au Pty Ltd

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