

Material Safety Data Sheet

Thermoshield liquid thermal insulation

1. Chemical Product and Company Identification

Updated Date: June 2026

Distributed In Australia By

Thermoshield Australia Pty. Ltd.

11 / 42 Mills Road, Dandenong, VIC 3175

Phone **1300 551 099**

ABN 37 079 666 774

Web www.thermoshield.com.au

Not classified as Hazardous according to criteria of Safe Work Australia
and not Dangerous Goods according to the ADG Code

UN #	HAZCHEM	D.G. Class	Sub Risk	Pack Group	SUSDP
None allocated	None allocated	None allocated	None allocated	None allocated	None allocated

Proper Shipping Name Thermoshield - liquid thermal insulation
Product Use Surface coating

2. Composition / Information On Ingredients

Component	CAS No	Weight %
Acrylic polymer emulsion	Not Required*	30-60
Titanium dioxide	13463-67-7	10-30
Inorganic extender	Not Required*	10-30
Additives	Not Required*	<10
Solvent - Non Hazardous (Flash Point >61 deg C)	Not Required*	<10
Water	7732-18-5	10-30

* Ingredients either not classified as hazardous or below relevant concentration cut-offs.
See Section 8, Exposure Controls / Personal Protection

3. Hazards Identification

Not classified as hazardous.

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4. First Aid Measures

Eyes

Immediately flush with water for 15 minutes. Consult a physician if irritation develops or persists.

Skin

Take off all contaminated clothing. Wash contaminated area with soap and water. Consult a physician if irritation develops or persists.

Inhalation

Inhalation is not expected to be a primary route of exposure. However, if mist/spray is inhaled, remove patient to fresh air. Get medical attention. Administer artificial respiration if breathing is irregular or has stopped.

Ingestion

If swallowed, get medical attention. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flash Point

Not applicable

Auto-ignition Temperature

Not applicable

Fire and Explosion Hazards

The product is not flammable.

Suitable Extinguishing Media

Use as appropriate for surrounding fire.

Special Fire Fighting Procedures

Respiratory and eye protection required for fire fighting personnel exposed to fumes or smoke.

Hazardous Combustion Products

Thermal decomposition may give off toxic fumes.

6. Accidental Release Measures

Personal Precautions

See Section 8.

Caution

Floor may be slippery. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye protection.

Take up mechanically with inert absorbent material and place in suitable containers for disposal. Dispose of in accordance with federal, state and local regulations. Do not allow large quantities into drains or waterways.

7. Handling and Storage

Store the product in cool, dry place. Do not allow to freeze.

Keep containers closed when not in use.

Avoid contact with skin and eyes.

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8. Exposure Controls / Personal Protection

Exposure Limit Information

Component	Safe Work Australia			
	Time Weighted Average		Short term Exposure Limit	
	(ppm)	(mg/m ³)	(ppm)	(mg/m ³)
Acrylic polymer	-	a	-	-
Titanium dioxide	-	10b	-	-
Inorganic extender	-	10b	-	-
Additives	-	a	-	-
Solvent - Non Hazardous	-	a	-	-
Water	-	a	-	-

a = not listed b = as nuisance dust

Respiratory Protection

In case of vapour or mists, a respiratory protection program meeting Australian & New Zealand Standards AS/NZS-1716 and AS/NZS-1715 requirements must be followed whenever workplace conditions warrant a respirator's use. Use appropriate filters.

None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information"

Eye Protection

Use chemical splash goggles (Australian & New Zealand Standard AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection

Impervious gloves; protective clothing as necessary to prevent skin contact.

Engineering Controls (Ventilation)

Use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard - The use of ventilation and air-conditioning in buildings AS 1668.2—2002 (05/06/2003).

9. Physical and Chemical Properties

Appearance and colour	White (untinted)
State.....	Viscous liquid
Odour Characteristic	Mild ammonia
pH	9 - 9.5
Specific Gravity (Water = 1)	1.1 - 1.2
Volatiles.....	~50% (water)
Melting Point.....	~0°C (water)
Boiling Point.....	~100°C (water)
Solubility in Water	Dispersible
Flash Point.....	Not applicable

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10. Stability and Reactivity

Stability

Considered stable under normal conditions of use and handling

Hazardous decomposition products

Thermal decomposition may produce acrylic monomers, carbon monoxide, carbon dioxide and oxides of nitrogen.

11. Toxicological Information

Toxicity Data

Acute: No data available for the product.

12. Ecological Information

No data available for the product.

13. Disposal Considerations

Collect and dispose of waste at an authorised disposal facility.

Dispose of empty containers in accordance with federal, state and local laws.

14. Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods (<https://infrastructure.gov.au/transport/australia/dangerous/dg>)

- By Road and Rail - Transport of Dangerous Goods by Road & Rail
Legislation Status - Last updated 01 October 2023.
- By Air in accordance of IATA - Edition 66 - 01 January 2025.
- By Sea in accordance of IMDG - Code 2022 Edition
HS code 3906 9000
Marine Order 41 - Last updated January 2024

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15. Regulatory Information

None required.

16. Other Information

Australian Code for the Transport of Dangerous Goods (Australian Government Department of Infrastructure & Regional Development)

Web: https://infrastructure.gov.au/transport/australia/dangerous/sea_air_ca.aspx

We cannot anticipate all conditions under which this information and our products may be used. Users are advised to make their own tests to determine the safety and suitability of each product. All information in this Data Sheet is based on data considered accurate and up-to-date as possible. However, no express or implied warranty is made to the accuracy of these data or the results to be obtained from the use of them.

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