

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Thermoshield

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DISTRIBUTED IN AUSTRALIA BY:

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Not classified as Hazardous according to criteria of Safe Work Australia and not Dangerous Goods according to the ADG Code¹

UN NO.....: None allocated	D.G. Class.: None allocated	Pack. Group...: None allocated
HAZCHEM: None allocated	SUB. RISK.: None allocated	SUSDP.....: None allocated

PROPER SHIPPING NAME: None allocated

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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Information

Component	Safe Work Australia			
	TWA		STEL	
	(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

TWA = Time Weighted Average

STEL= Short term Exposure Limit

¹ National Occupational Health and Safety Commission (Australia)

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 AS-1668.

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

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 By Road And Rail (Seventh Edition). See Section 1.

15. REGULATORY INFORMATION

None required.

16. OTHER INFORMATION

¹ Australian Code For The Transport Of Dangerous Goods By Road And Rail (Seventh Edition).

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. Thermoshield assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.
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