TermShield®
STAINLESS STEEL TERMITE MANAGEMENT SYSTEM

SAFETY DATA SHEET

Product Name **TermLok**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	TermShield Australia Pty Ltd
Address	21 Yampi Way, Willetton, WA 6155
Telephone	+61 1300 837 678
Emergency	+61 0409 874 477
Synonym(s)	None
Uses	Adhesive cement for bonding TS1000 stainless steel mesh to brickwork, concrete, and other termite resistant materials.
SDS Date of issue	7 June 2018

2. HAZARDS IDENTIFICATION

GLOBALLY HARMONISED SYSTEM (GHS)

Hazard Classification	Serious Eye Damage	Category 1
	Skin Irritant	Category 2
	Single Target Organ Toxicity (Repeated Exposure)	Category 2

Signal Word DANGER

Pictograms

Hazard Statements

Causes serious eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
May cause damage to lungs and respiratory tract through prolonged or repeated exposure.

Precautionary Statements

Preventative

P260	Do not breathe dust
P264	Wash exposed skin thoroughly after handling.
P280	Wear protective gloves, eye and face protection.

Response

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305+p351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical attention.

Disposal

P501 Dispose of contents in accordance with local, state and federal regulations.

DANGEROUS GOODS CLASSIFICATION (ADG Code)

Not classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
Portland cement	Not available	65997-15-1	30-60%
Sand (crystalline silica, quartz)	SiO_2	14808-60-7	10-30%
Gypsum	$CaSo_4.2H_2O$	10101-41-4	1-5%
Calcium carbonate (limestone)	$CaCO_3$	1317-65-3	5-15%
Blast furnace slag	Not available	65996-69-2	<3%
Chromium VI	Cr^{6+}	18540-29-9	<10ppm
Other ingredients identified as non-hazardous	Not available	Mixture	<15%

4. FIRST AID MEASURES

Eye Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

Inhalation Remove to fresh air. If symptoms persist, seek medical attention.

Skin Wash thoroughly with water. A shower may be required.

Ingestion Rinse mouth and lips thoroughly with water. Do not induce vomiting. Give water to drink to dilute stomach contents. If ingestion of a large amount has occurred or symptoms persist get medical attention.

Advice to Doctor Treat symptomatically.

First Aid Facilities Eye wash station.

Additional Information – Aggravated Medical Conditions

Inhalation Over exposure resulting from prolonged and repeated inhalation of dust containing crystalline silica may cause bronchitis and/or silicosis (scarring of the lungs.) Over exposure to dust containing crystallin silica also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs) and lung cancer. Epidemiological studies have shown that smoking increases the risk of bronchitis, silicosis and lung cancer in persons exposed to crystalline silica.

Skin	Prolonged and repeated skin contact with wet cement products may result in irritant dermatitis
Eye	If wet cement is splashed into the eye, alkaline burns may cause permanent eye damage.

5. FIRE FIGHTING MEASURES

Flammability	Not flammable. Does not support combustion of other materials.
Fire and Explosion	Not flammable. Does not cause dust explosions.
Extinguishing Media	Use extinguishing media appropriate to the source of the fire.
Hazchem Code	None allocated.

6. ACCIDENTAL RELEASE MEASURES

Spillage	Wear personal protective equipment as specified in Section 8. Clear area of all unprotected personnel. Prevent spill from entering drains or waterways. Sweep or shovel spilled material into suitable containers for reuse or disposal. Avoid generating dust.

7. STORAGE AND HANDLING

Storage	Store in a cool, dry, well-ventilated area in the original container. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use. Keep packaging off the floor.
Handling	Read the product label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Always wash hands before eating, smoking or using the toilet. Wash contaminated clothing and other personal protective equipment before storing or re-using.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	Chromium (VI) (18540-29-9) ES-TWA: 0.05 mg/m3 (Chromium VI compounds) Silica, Crystalline – Quartz (14808-60-7) ES-TWA: 0.1 mg/m3 (Silica Quartz, respirable, NOHSC); ES-TWA#: 0.1 mg/m3 (QLD); 0.15 mg/m3 (NSW) WES-TWA: 0.2 mg/m3 Portland Cement (65997-15-1) ES-TWA: 10 mg/m3 Portland Cement ES-TWA#: 0.05 mg/m3 Chromium (VI) Compounds (contaminant) WES-TWA: 10 mg/m3 Gypsum (10101-41-4) and Calcium Carbonate (1317-65-3) ES-TWA: 10 mg/m3 (nuisance dust) WES-TWA: 10 mg/m3
Biological Limits	None allocated.
Engineering Controls	Use in a well-ventilated area. Maintain dust level below the recommended exposure standard.
PPE	Wear dust-proof goggles and rubber or PVC gloves. Where an inhalation risk exists, wear a Class P2 respirator. If there is potential for prolonged and/or excessive skin contact, wear coveralls. At high

dust levels, wear a Class P3 respirator or a Powered Air Purifying Respirator (PAPR) with Class P3 Filter.

In general, respirator use should be limited and engineering controls used to minimise exposure. If respirators must be worn, ensure adequate respirator selection and training is undertaken. Some respirators are extremely uncomfortable to wear for extended periods. Air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white to grey powder	**Evaporation Rate**	Not applicable
Odour	None	**Solubility (water)**	Hardens on mixing
pH (5% in water)	Approximately 11	**% Volatiles**	Not applicable
Vapour Pressure	Not applicable	**Flammability**	Not combustible
Vapour Density	Not applicable	**Flash Point**	Not relevant
Boiling Point	Not applicable	**Upper Explosion Limit**	Not applicable
Melting Point	Not applicable	**Lower Explosion Limit**	Not applicable
Bulk density	900-1200 kg/m^3	**Particle size**	10-30% of particles are <7µm i.e. classed as respirable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions of storage and use. May harden on prolonged storage or exposure to moisture.
Conditions to Avoid	Keep away from moisture. Avoid generating dust.
Material to Avoid	Incompatible with oxidising agents, ethanol and acids. Water contact may increase product temperature 2-3°C.
Decomposition	Unlikely to evolve toxic gases when heated to decomposition.
Hazardous Reactions	May react violently with acids.

11. TOXICOLOGICAL INFORMATION

Ingredient	CAS No.	Content	LD50 (oral)	LD50 (dermal)	Lc50
Portland cement	65997-15-1	30-60%	>5000	>5000	250
Sand (crystalline silica, quartz)	14808-60-7	10-30%	>25000	NA	NA
Gypsum	10101-41-4	1-5%	>30000	NA	NA
Calcium carbonate (limestone)	1317-65-3	5-15%	>40000	NA	NA
Blast furnace slag	65996-69-2	<3%	>65000	NA	>170000
Chromium VI	18540-29-9	<10ppm	>1M	>1M	>1M
Other ingredients identified as non-hazardous	Mixture	<15%	NA	NA	NA

Health Hazard Summary	Slightly corrosive. Avoid eye or skin contact and dust inhalation. This product has the potential to cause acute and chronic health effects with over exposure. Crystalline silica can cause silicosis (lung disease) with chronic over exposure; however, because of the low levels present and product application, adverse health effects are not anticipated. Crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans (IARC Group 1).
Eye	Corrosive. Severe irritant upon contact with powder/dust. Over exposure may result in pain, redness, corneal burns and ulceration with possible permanent damage.
Inhalation	Slightly corrosive. Over exposure may result in severe mucous membrane irritation and bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation; however, because it is only present in trace amounts, a hazard is not anticipated under normal conditions of use.
Skin	Slightly corrosive. Prolonged and repeated contact with powder or wetted form may result in rash, dermatitis and sensitisation.
Ingestion	Slightly corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Ingestion is not considered a likely route of exposure.
Toxicity Data	Silica, Crystalline - Quartz (14808-60-7) Carcinogenicity: Classified as a human carcinogen (IARC Group 1) Chromium (VI) (18540-29-9) Carcinogenicity: Confirmed human carcinogen (IARC Group 1)

12. ECOLOGICAL INFORMATION

Ecotoxicity	Water: This product is alkaline and may cause adverse effects if released into the aquatic environment. Product is not considered hazardous after curing.
Persistence and degradability	Product is not biodegradable. Reaction with soil components is main path of deactivation.
Mobility	Not likely to be mobile in soil.
Bioaccumulation potential	Does not bioaccumulate.
Environmental Advisory Note	TermLok Parge when fully cured forms an inert concrete-like material. When installed in accordance with the Direction for Use, TermLok Parge has no potential to contaminate surface or ground water with hazardous materials. Under normal conditions, TermLok Parge will last the life of the building and can be recycled at the end of its useful life. Unused or surplus TermLok Parge should be allowed to fully cure before recycling. Do not dispose of unused TermLok Parge unless fully cured.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site.

Legislation Dispose of in accordance with relevant local legislation. Keep out of sewer and stormwater drains.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

15. REGULATORY INFORMATION

Poison Schedule Not a scheduled poison.

AICS All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Additional Information It should be noted that the effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control methods as appropriate.

CEMENT CONTACT DERMATITIS: Individuals using wet cement, mortar, grout or concrete could be at risk of developing cement dermatitis. Symptoms of exposure include itchy, tender, swollen, hot, cracked or blistering skin with the potential for sensitisation. The dermatitis is due to the presence of soluble (hexavalent) chromium.
IARC – GROUP 1 – PROVEN HUMAN CARCINOGEN. This product contains an ingredient for which there is sufficient evidence to have been classified by the International Agency for Research into Cancer (IARC) as a human carcinogen. The use of products known to be human carcinogens should be strictly monitored and controlled.

Status This document is based on the best available information at the time of issue concerning the product and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions. Further clarification regarding this product should be obtained from the manufacturer.
All due care has been taken to include accurate and up-to-date information. No warranty as to accuracy or completeness is provided. As far as lawfully possible, TermLok accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

Prepared By TermShield Australia Pty ltd

End of Safety Data Sheet