SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BLOCKAID-TERMI
TERMITICIDE SEALANT

Other Names: Bifenthrin

Use: Termite repellent termite management system for pre-construction use in buildings and other structures.

Company: Termguard Pty Ltd

Address: Unit 9, 145 Arthur Street, Homebush West NSW 2140

Telephone Number: (02) 8412 2400 **Emergency Number:** 1800 032 549

SECTION 2 HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of NOHSC Australia.
Not classified as a Dangerous Good according to the ADG Code.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

CHEMICAL	*CAS NUMBER*	*PROPORTION*
Bifenthrin	82657-04-3	2 g/kg
Other ingredients determined not to be hazardous	mixture	To 100 %

SECTION 4 FIRST AID MEASURES

FIRST AID

Swallowed: If swallowed drink at least 2 glasses of water. Consult a physician.

Eye: Flush eyes with large amount of water for at least 15 minutes, holding the eye lids apart. Consult a physician if irritation persists.

Skin: Wash affected areas thoroughly with soap & water. Consult a physician if irritation persists.

Inhaled: Move subject to fresh air. If breathing discomfort occurs, obtain medical attention.

Advice to Doctors: Bifenthrin, the active ingredient in this product, is a pyrethroid insecticide. Treatment is otherwise symptomatic and supportive.

SECTION 5 FIRE FIGHTING MEASURES

Specific Hazard: Thermal decomposition and burning may produce toxic by-products.

Extinguishing media: Foam, CO2 or dry chemical. Soft stream water fog if no alternatives. Contain all runoff.

Hazards from combustion products: On burning, will emit toxic fumes of carbon monoxide, carbon dioxide, hydrogen chloride, chlorine, fluorine and hydrogen fluoride etc.
Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

SECTION 6 ACCIDENTIAL RELEASE MEASURES

Emergency procedures: Pick up spilled product. If unable to use as directed on the label, seal the product in a plastic bag. Wash hands and arms with soap and water after handling.

Material and methods for containment and cleanup procedures: Not applicable to this product.

Do NOT allow product to enter sewers, drains, dams, creeks or any other waterways.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Generally no special precautions are required. Wash hands after use.

Conditions for Safe Storage: Store in closed original packaging, in a cool, well ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight. Do not use or store near heat, open flame or hot surfaces. Do NOT allow product to enter sewers, drains, creeks or any other waterways.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	No exposure standard for Bifenthrin has been established by NOHSC Australia.
Biological Limit Values:	No biological limit allocated.
Engineering controls:	Use in ventilated areas.

Personal Protective equipment (PPE):
Work Clothing: No special protective clothing is required. As a good work practice, wear clothing that minimises skin contact with this product.
Personal Hygiene: Wash hands and arms before eating, drinking or smoking.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey Silicone Sealant
Odour:	Slight Acrylic/Ammonia
Bulk Density:	0.93 g/m³.
pH:	**8.0 – 9.0**
Solubility in Water:	Dilutable
Corrosive hazard:	Non corrosive; compatible with stainless steel, polyethylene etc.
Flashpoint (°C):	Non Combustible
Poisons Schedule:	Product is not a scheduled poison.

SECTION 10 STABILITY AND REACTIVITY

Product is considered stable in ambient conditions.

SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:
This product is expected to have low toxicity, and if swallowed the mechanical effects are expected to be of greater concern. Bifenthrin, the active ingredient in this product is present at 0.2%. Ingestion of large doses of Bifenthrin by laboratory animals produced signs of toxicity which included clonic convulsions, tremors and bloody nasal discharge. But it is not likely to be physically possible to consume large quantities of Bifenthrin by ingesting the plastic sheet.

Acute:

Eye: Direct contact can cause eye irritation.
Skin: Prolonged or repeated contact can cause skin irritation.
Inhaled: Inhalation of vapour can cause headache, nausea, irritation of nose, throat & lungs.

Chronic:
No data available on this product. Bifenthrin the active ingredient in this product is present at 0.2%. In studies with laboratory animals, Bifenthrin did not cause teratogenicity or reproductive toxicity. Tremors were associated with repeated exposure of dogs, rats, rabbits and mice to Bifenthrin. The overall results from a battery of geno toxicity studies indicate that Bifenthrin is not considered to be geno toxic. Ames test results were negative.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: The active ingredient, Bifenthrin, is highly toxic to fish and aquatic arthropods with LC50 values ranging from 0.0038 µg/L to 17.8 µg/L. In general, the aquatic arthropods are the most sensitive species. Care should be taken to avoid contamination of the aquatic environment. Bifenthrin had no effect on molluscs at its limit of water solubility. Bifenthrin is only slightly toxic to both waterfowl and upland game birds with LC50 values range from 1800 mg/kg to > 2,150 mg/kg. Do not contaminate sewers, drains, dams, creeks or any other waterways with product.

Environmental Properties: The active ingredient, Bifenthrin, degrades at a moderate rate in agricultural soils (t½ = 50 to 205 days), and more rapidly on the surface of bare soils (t½ = 7 to 62 days). Bifenthrin is tightly bound in most soils and has extremely low water solubility.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills & Disposal: Contain spills with sand or earth. Remove to suitable container for disposal. Wash area and equipment with water. Keep material out of streams and sewers. Dispose of wastes in accordance with the requirements of Local or State Waste Management Authorities via an approved industrial waste disposal site.

When installing Blockaid-Termi Termiticide Sealant it is likely there will be some left over material. Wherever possible use these left overs for patches and repairs etc. If this is not possible, Blockaid-Termi Termiticide Sealant left overs should be placed in a sealed plastic bag and disposed of via an approved industrial waste disposal site.

Dangerous to Fish: Do NOT allow product to enter sewers, drains, dams, creeks or any other waterways.

SECTION 14 TRANSPORT INFORMATION

Blockaid-Termi Termiticide Sealant is not classified as Dangerous Goods.

SECTION 15 REGULATORY INFORMATION

Not classified as a hazardous substance according to criteria of NOHSC Australia.
Under the Standard for Uniform Scheduling of Drugs and Poisons (SUSDP No. 19), this product is not a scheduled poison.

Product is not classified as a Dangerous Good according to the ADG Code (6th Ed), the International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

SECTION 16 OTHER INFORMATION

Creation Date: 21 February 2014 (first issue).
This Version Issued: July 2019

Key to abbreviations and acronyms used in this SDS:

ADG Code	Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).
Genotoxic	Capable of causing damage to genetic material, such as DNA.
NOHSC	National Occupational Health and Safety Commission.
PPE	Personal protective equipment.
Teratogenic	Capable of causing abnormalities in a developing foetus (causing birth defects).

References

1. "National Exposure Standards for Atmospheric Contaminants in the Occupational Environment". NOHSC Australia, Guidance Note NOHSC:3008(1995).
2. "List of Designated Hazardous Substances". NOHSC Australia. NOHSC:10005(1999).
3. "Draft Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2003)]. April 2003.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End of SDS