TERM-Seal Multi-Purpose Active Termite and Waterproof Barrier SDS & TDS 06.02.17

Product Description:
TERM-seal Multi-Purpose Active is a highly engineered acrylic polymer-based liquid which upon curing forms a seamless, flexible, termite resistant and waterproof membrane. Containing 0.1% Bifenthrin as the active constituent, this agent is modelled on Mother Nature's own insecticide pyrethrum (extracted from the pyrethrum daisy) which kills and repels termites. The product was specially designed to withstand the rigor of a building for its lifetime.

Typical Applications:
Applied by brush, roller or heavy duty airless spray gun, applications include:

- Backfilled wall for combined Termite / Waterproofing protection
- Termite protection for internal walls converted into lined living areas i.e.: subfloors, basements, garages, etc.
- Concrete slab edges as a termite and waterproof barrier
- Combined Termite / Waterproofing protection to Autoclaved Aerated Concrete (AAC) panels
- Construction joints, step downs, cavities, any area where an effective Termite and or waterproof barrier is required.
- TERM-Seal Multi-Purpose to Bearer & Joist; brick banding below TERM-seal PRM ant-capping
- TERM-Seal Multi-Purpose has been designed to bond to all masonry products such as but not limited to:
  - Brickwork
  - Blockwork
  - Concrete (20mpa, 21mpa, 25mpa and 30mpa)
  - Autoclaved Aerated Concrete (AAC) panels
  - Fibre Board

Approval / Standards

- APVMA Approved.
- Tested to AS3660.3 against Coptotermes acinaciformis, Mastotermes darwiniensis
- Complies with Australian Standard 3660.1-2014 Termite management - New building work.
- Tested by CSIRO and complies with Australian Standard 3740-2010 and Australian/New Zealand Standard 4858-2004 when applied as a wet area membrane in internal and external applications.
- CodeMark certified (CMA-CM40017 reviewed March 2015); Expiry date: 15/08/2015.
Recent Testing

Test 1

TERM-seal recently engaged Incospec, a NATA Accredited Inspection Service to undertake pull-off adhesion testing in accordance with AS3894.9 method C to Autoclaved Aerated Concrete (AAC) panels, coated with various combinations of TERM-seal and other manufacturer proprietary products.

### Term-seal Primer Coat

#### Term-seal Multi-Purpose Active

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
<th>% Glue</th>
<th>Failure location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.28</td>
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<td>100</td>
<td></td>
<td>Substrate failure</td>
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<tr>
<td>B</td>
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<td>Substrate failure</td>
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<tr>
<td>C</td>
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</table>

### Term-seal Multi-Purpose Active

#### Term-seal Reo-Band FG

#### Term-seal Multi-Purpose Active

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
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<td>100</td>
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</table>
**Term-seal Primer Coat**
**Term-seal Multi-Purpose Active**
**Term-seal Reo-Band FG**
**Dulux AcraTexRenderwall FR**

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
<th>% Glue</th>
<th>Failure location</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
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<td></td>
<td></td>
<td>Substrate failure</td>
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<tr>
<td>B</td>
<td>0.55</td>
<td>100</td>
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<tr>
<td>C</td>
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<td>Substrate failure</td>
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</table>

**Test 1: Summary and Conclusion.**

31 (thirty one) test panels failed within their substrate. It was noted that the TERM-seal Multi-Purpose had not separated from the AAC panel.

10 (ten) test panels failed within DuluxAcratexRenderwall FR coating. It was noted that the TERM-seal Multi-Purpose had not separated from the DuluxAcratexRenderwall FR coating.

1 (one) test panel failed within the 50:50 bondcrete& water. It was noted that the TERM-seal Multi-Purpose had not separated from the 50:50 bondcrete& water.

The adhesion test results conclude that the tensile strength of the Autoclaved Aerated Concrete (AAC) panels is less than that of the Termseal coating products that were applied.

The adhesion test results show that in many instances, the Dulux AcratexRenderwall FR exhibits lower tensile properties than either the AAC substrate or TERM-seal products.
Test 2: TERM-seal recently engaged Incospec, a NATA Accredited Inspection Service to undertake pull-off adhesion testing in accordance with AS3894.9 method C to Adhesion Testing on Brick, Concrete Block and Concrete, and Water Based Polyurethane Compound top coated with TERM-seal Multi-Purpose Active.

**DETERMINATION OF ADHESION (AS/NZS 3894.9 METHOD C) – PULL-OFF TEST**

<table>
<thead>
<tr>
<th>Test site / location</th>
<th>Concrete block</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coating System</td>
<td>TERM-seal Multi-Purpose Active</td>
</tr>
<tr>
<td>Dolly application date and time</td>
<td>3/11/166 @ 15:30 hrs</td>
</tr>
<tr>
<td>Substrate</td>
<td>Concrete</td>
</tr>
<tr>
<td>Dolly size</td>
<td>50mm</td>
</tr>
<tr>
<td>Adhesive used</td>
<td>Selleys Araldite super strength 2 pack epoxy</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Positest AT-A Adhesion Tester</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
<th>% Glue</th>
<th>Failure location</th>
<th>N</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.0</td>
<td>100</td>
<td></td>
<td></td>
<td>Substrate</td>
<td></td>
<td><img src="image1" alt="Photo 1" /></td>
</tr>
<tr>
<td>2</td>
<td>1.4</td>
<td>100</td>
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<td>Substrate</td>
<td></td>
<td><img src="image2" alt="Photo 2" /></td>
</tr>
<tr>
<td>3</td>
<td>1.5</td>
<td>100</td>
<td></td>
<td></td>
<td>Substrate</td>
<td></td>
<td><img src="image3" alt="Photo 3" /></td>
</tr>
</tbody>
</table>
DETERMINATION OF ADHESION (AS/NZS 3894.9 METHOD C) – PULL-OFF TEST

**Test site/location**  
Brick

**Coating system**  
TERM-seal Multi-Purpose Active

**Dolly application date and time**  
3/11/16 – 16:45 hrs  
Pull off date and time  
4/11/16 – 16:30 hrs

**Substrate**  
Brick

**Dolly size**  
50mm

**Adhesive used**  
Selleys Araldite super strength 2 pack epoxy

**Equipment used**  
Positest AT-A Adhesion Tester

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
<th>% Glue</th>
<th>Failure location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1.8</td>
<td>100</td>
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<td></td>
<td>Substrate</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>2.1</td>
<td>100</td>
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<td></td>
<td>Substrate</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2.3</td>
<td>100</td>
<td></td>
<td></td>
<td>Substrate</td>
<td></td>
</tr>
</tbody>
</table>

**Test site/location**  
Concrete, polyurethane prime coat

**Coating system**  
Proprietary water based polyurethane sealant TERM-seal Multi-Purpose Active

**Dolly application date and time**  
3/11/16 – 17:00 hrs  
Pull off date and time  
4/11/16 – 17:30 hrs

**Substrate**  
Concrete, primer sealed

**Dolly size**  
50mm

**Adhesive used**  
Selleys Araldite super strength 2 pack epoxy

**Equipment used**  
Positest AT-A Adhesion Tester

<table>
<thead>
<tr>
<th>Test</th>
<th>Force (MPa)</th>
<th>% Adh</th>
<th>% Coh</th>
<th>% Glue</th>
<th>Failure location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>1.0</td>
<td>100</td>
<td></td>
<td></td>
<td>polyurethane prime coat to concrete</td>
<td>It is assumed that the greenish colour on the dolly side was the sealant system coat</td>
</tr>
<tr>
<td>8</td>
<td>1.1</td>
<td>100</td>
<td></td>
<td></td>
<td>polyurethane prime coat to concrete</td>
<td>&quot;</td>
</tr>
<tr>
<td>9</td>
<td>1.3</td>
<td>100</td>
<td></td>
<td></td>
<td>polyurethane prime coat to concrete</td>
<td>&quot;</td>
</tr>
</tbody>
</table>
**Test 2: Results and conclusions:**
The bond strength and tensile strength of the TERM-seal Multi-Purpose Active exceeded the tensile strength of the concrete and brick, therefore the concrete and brick samples all failed by cohesion of the substrate. It was noted that the TERM-seal Multi-Purpose had not separated from the concrete or the brick face.

The concrete samples which had been first coated with a water based polyurethane sealant system and then top coated with the Term-seal product all failed by loss of adhesion of the polyurethane sealant system to the concrete. It was noted that the TERM-seal Multi-Purpose had not separated from the polyurethane sealant.

The adhesion test results conclude that the tensile strength of the brick and concrete was less than the TERM-seal Multi-Purpose Active.

The adhesion test results show that the tensile bond strength of the water based polyurethane sealant system was less than the tensile strength of the concrete and TERM-seal Multi-Purpose Active system.

**Typical Product Data** *(The below data is typical only and should not be considered specifications)*

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Viscous grey liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>&gt; 100°C.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Approximately 1.2 to 1.3.</td>
</tr>
<tr>
<td>PH</td>
<td>8.0 to 8.5</td>
</tr>
<tr>
<td>Viscosity</td>
<td>25,000 to 30,000cPs</td>
</tr>
<tr>
<td>Assay</td>
<td>0.65 ±0.09 g/L Bifenthrin (CAS Number(s)82657-04-3)</td>
</tr>
<tr>
<td>Packaging</td>
<td>15L Pail</td>
</tr>
</tbody>
</table>

**Clearances and Inspection Zones**

An unobstructed space over which termites have to cross or pass in order to gain access to a building or structure and, as a consequence, reveal their presence during visual inspection is mandatory when using TERM-Seal Multipurpose. The clearance, depending on installation type can range from 75mm minimum if above or below soft landscaping such as gardens and lawns and can be reduced to 40mm above or below hard landscaping, i.e. paths, pavers etc.
Treatments
TERM-seal Multi-Purpose Active Coating

**TERM-seal Multi-Purpose Active** (containing 0.1% Bifenthrin) is ideal when termite proofing and water proofing in these situations. TERM-seal is a two in one application. Applications include back filled walls, internal walls, cavities, joints and more.

**TERM-seal Multi-Purpose Active** can be used in conjunction with TERM-seal Reo-Band to form a perimeter and damp-course barrier to cyclone rated knock-out infill construction.

**TERM-seal Multi-Purpose Active as a dual water-proof/termite single application**
Tested by CSIRO as an approved waterproofing compound and complies to Building Code of Australia Volume 2, AS3660.1-2014 and AS/NZS 4858-2004. and applied as watering to back-filled walls to meet the requirements of AS3740-2010

**TERM-seal Multi-Purpose Active** can be used as a simple, easy to apply slab edge exposure perimeter treatment, or to waterproof slab edges.

**TERM-seal Multi-Purpose Active** can be applied to cavities to form a termite proof perimeter barrier.

**TERM-seal Multi-Purpose Active** is used to treat construction joints across concrete slabs

**TERM-seal Multi-Purpose Active** can be used in most other situations such as:
- Concealed coving areas
- Planter boxes
- Enclosed stair wells
- Joints in concealed fire walls
- Coating joints on walls after sealing and re-enforcing
Typical Application Procedures

TERMITE & WATERPROOFING to Backfilled/Retaining Walls

Clean off mortar dags and dirt with spare brick running along outside face of brickwork.

It is extremely important that the joint areas are thoroughly cleaned. Brush off residual dust and dirt, also use a wire brush to clean off any mortar and concrete dags.

Apply a coat of TERM-seal Prime Coat to prepare brick course for TERM-seal Multi-Purpose Active.

Where gaps or cracks are present in the brickwork, spatula TERM-seal Sealant Active to fill in the crevasses. Ensure that a liberal amount of TERM-seal Sealant Active is used to fill the gaps in the brickwork. Use Reo-band patches as required.

Start to apply TERM-seal Multi-Purpose Active to the joints and cracks along the concrete and brick face. Apply TERM-seal Reo-Band FG 100 onto treated joint before it cures and apply a second coat along the joint.
At the completion of the water-proof/termite proofing installation, allow the coatings to cure so the surface is dry and firm.

Prior to back-filling, the treated area must be protected from any foreign matter penetrating the barrier, i.e. rocks or building debris that is in the fill material.

Use a continuous cover of at least sheets of 6mm core-flute or 200um builders plastic to protect the entire area.
TERMITE & WATERPROOFING to Construction/Control Joints on the Surface

Clean off mortar dags and dirt with spare brick running along both sides of the control joint. It is extremely important that the joint areas are thoroughly cleaned. Brush of residual dust and dirt, also use a wire brush to clean off any mortar and concrete dags.

1. Use a chisel to clean and smooth the concrete surface if required.
2. Note that the treatment should begin a minimum of 20mm below the lower exterior rebate edge and is continuous to 20mm below the lower opposite rebate edge.

Apply a coat of TERM-seal Prime Coat to prepare the slab surface for TERM-seal Multi-Purpose Active 50mm either side of the joint.

Apply TERM-seal Multi-Purpose Active to the slab surface ensuring the coating is continuous and 50 mm on either side of the joint.

Lay TERM-seal Reo-Band FG 100 onto treated join before it cures and apply a second coat of TERM-Seal Multi-Purpose along the joint

Once the second coat of TERM-seal Multi-Purpose Active is touch dry, apply a third coat over the joint.

Ideally, apply a 3rd and final coat to complete treatment of control joint
Storage and Handling:
Store in closed original packaging, in a cool, well ventilated area away from children, animals, food and feedstuff. DO NOT store for long periods of time in direct sunlight. DO NOT allow products to enter sewers, gutters or stormwater drains, creeks or any other waterways. Use within 12 months of opening.

Hazard Information
Please refer to the Safety Data Sheet at:

SEE NEXT PAGE FOR SAFETY DATA SHEET
SECTION 1  IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TERM-seal Multi-Purpose Active
TERMITE AND WATERPROOF BARRIER

Other Names: Bifenthrin. TERM-seal Multipurpose.
Use: For the protection of buildings and other structures from concealed entry by termites.
Company: TERM-seal (Aust) Pty Ltd.
Address: 1/30 Janola Cct, Port Macquarie, NSW, 2444
Telephone Number: 02 6581 4414  Fax Number: 
Emergency Telephone Number: 1800 033 111 (All hours - Australia wide).

SECTION 2  HAZARDS IDENTIFICATION

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

* Under Safe Work Australia this product is not classified as a hazardous substance. Under the Globally Harmonised System (GHS) this product is a hazardous substance with the following environmental classification:

Globally Harmonised System (GHS) Classification:
- Hazardous to the Aquatic Environment – Acute Hazard: Category 1.

Signal Word: WARNING.

Hazard Statements:
- H400  Very toxic to aquatic life.
- H413  May cause long lasting harmful effects to aquatic life.

Precautionary statements:
Prevention:
- P273  Avoid release to the environment.

Response:
- P391  Collect spillage.

Disposal:
- P501  Dispose of contents/container in accordance with national regulations.

Pictogram:
SECTION 3  COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS NUMBER</th>
<th>PROPORTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifenthrin</td>
<td>82657-04-3</td>
<td>0.65 g/L</td>
</tr>
<tr>
<td>Other ingredients determined not to be hazardous</td>
<td>mixture</td>
<td>Balance</td>
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SECTION 4  FIRST AID MEASURES

FIRST AID

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. Rinse mouth with water and give plenty of water to drink.

Eye: Immediately hold eyes open and flood with copious quantities of clean water until chemical is removed. If irritation persists, obtain medical attention.

Skin: Immediately wipe excess material from skin with a clean rag or paper towel. Do NOT use a solvent to clean skin. Wash area with soap and water.

Inhaled: In case of adverse exposure to vapours, remove patient to fresh air. If breathing discomfort occurs, obtain medical attention.

Advice to Doctors: Bifenthrin, the active ingredient in this product, is a pyrethroid insecticide. The level of bifenthrin is considered to be so low as to be considered non-toxic (0.065%). Treatment is otherwise symptomatic and supportive.

SECTION 5  FIRE FIGHTING MEASURES

Specific Hazard: Not flammable, however thermal decomposition may produce toxic by-products.

Extinguishing media: Choose extinguishing media to suit the burning material. Contain all runoff.

Hazards from combustion products: If involved in a fire will emit toxic fumes, including carbon monoxide.

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  ACCIDENTAL RELEASE MEASURES

Emergency procedures: SMALL SPILLS: Wipe up with rag or absorbent paper. LARGE SPILLS: Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, face shield or goggles to prevent skin and eye contact. Contain spill to prevent contamination of drains and waterways. Isolate any leaking containers and transfer contents to alternative suitable containers. Vacuum, shovel or pump spilled material into an approved container and dispose of waste as per the requirements of Local or State Waste Management Authorities. Do not flush spilt material into natural waterways or sewage systems.

In the event that there is surplus liquid to be disposed of, the material can be coated on top of the perimeter barrier. If this is not possible, coat the material onto a sheet of plastic or other waste material and allow to cure. Place the cured material in a sealed plastic bag and dispose of at an approved industrial waste site.

Material and methods for containment and cleanup procedures:

Cured material can only be removed by cutting or abrasion. Equipment can be cleaned with water DO NOT allow product to enter sewers, drains, dams, creeks or any other waterways.
**SECTION 7 HANDLING AND STORAGE**

**Precautions for Safe Handling:** Harmful if absorbed by skin contact, inhaled or swallowed. May irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. Do not inhale spray mist or vapour. When using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, goggles or safety glasses and half face respirator. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day’s use wash gloves, goggles or safety glasses, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

**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 long periods in direct sunlight. DO NOT allow product to enter sewers, gutters or storm water drains, creeks or any other waterways. Use within 12 months of opening.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**National Exposure Standards:**
No exposure standard for bifenthrin, or this product, has been established by Safe Work Australia.

**Biological Limit Values:**
No biological limit allocated.

**Engineering controls:**
Natural ventilation is adequate under normal conditions of use. Use in well ventilated areas. Keep containers closed when not in use.

**Personal Protective Equipment (PPE):**
**General:** When using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, face shield or goggles. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow-length chemical resistant gloves, goggles or safety glasses and half face respirator. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day’s use wash gloves, goggles or safety glasses, respirator and if rubber wash with detergent and warm water, and contaminated clothing.

**Personal Hygiene:** Harmful if absorbed by skin contact, inhaled or swallowed. May irritate the eyes, nose and throat and skin. Avoid contact with eyes and skin. Do not inhale spray mist or vapour. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous grey liquid.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic.</td>
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<td>Freezing point</td>
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<td>Specific Gravity</td>
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<tr>
<td>pH</td>
<td>No data available.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Disperses in water.</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not flammable.</td>
</tr>
<tr>
<td>Corrosive hazard</td>
<td>Non corrosive.</td>
</tr>
<tr>
<td>Flashpoint (°C)</td>
<td>Not flammable.</td>
</tr>
<tr>
<td>Flammability Limits (%)</td>
<td>Not established.</td>
</tr>
<tr>
<td>Poisons Schedule</td>
<td>Product is not a scheduled poison.</td>
</tr>
</tbody>
</table>
SECTION 10  STABILITY AND REACTIVITY

Chemical Stability: Product is considered stable in ambient conditions. Use within 1 year after manufacture.

Conditions to avoid: Keep away from all sources of heat. Keep out of the sun.

Incompatible materials: No particular materials to avoid

Hazardous decomposition products: On burning will emit toxic fumes.

Hazardous reactions: No particular reactions to avoid.

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 0.1%. 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 granules.

Acute
Swallowed: Not expected to be toxic. May cause nausea and vomiting if swallowed in large amounts.
Eye: May produce irritation to the eye.
Skin: May cause irritation in some sensitive individuals with repeated or prolonged contact.
Inhaled: Unlikely to cause inhalation toxicity unless the product is at elevated temperatures.

Chronic: No data available on this formulation. In studies with laboratory animals, Bifenthrin Technical 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 genotoxicity studies indicate that Bifenthrin is not considered to be genotoxic. Ames test results were negative. (Bifenthrin is only 0.065% of this product).

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 or the used container. Do not use this product as a liner for fish ponds.

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: Store in closed original packaging, in a cool well-ventilated area away from children, animals, food and feedstuffs.DO NOT store for long periods in direct sunlight. DO NOT allow product to enter sewers, gutters or storm water drains, creeks or any other waterways. Use within 12 months of opening.

In the event that there is surplus liquid to be disposed of, the material can be coated on top of the perimeter barrier. If this is not possible, coat the material onto a sheet of plastic or other waste material and allow to cure. Place the cured material in a sealed plastic bag and dispose of via an approved industrial waste disposal site in accordance with the requirements of Local or State Waste Management Authorities.
**Product Name:** TERM-seal Multi-Purpose Active
**TERMITE AND WATERPROOF BARRIER**

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

**SECTION 14 TRANSPORT INFORMATION**

**Transport:** TERM-seal Multi-Purpose Active is not classified as a Dangerous Good. It is good practice not to transport this product with food, food related materials and animal feedstuffs.

**SECTION 15 REGULATORY INFORMATION**

Not classified as a hazardous substance according to criteria of Safe Work Australia. Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is not a Scheduled poison. This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 62741/43877.

Product is not classified as a Dangerous Good according to the ADG Code (7th Ed), the International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

**Requirements concerning special training:** Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

**SECTION 16 OTHER INFORMATION**

**Issue Date:** 10 August 2016. Valid for 5 years till 10 August 2021. (Revised to GHS).

**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).
- **Carcinogen:** An agent which is responsible for the formation of a cancer.
- **Clonic:** Alternate involuntary muscular contraction and relaxation in rapid succession.
- **Genotoxic:** Capable of causing damage to genetic material, such as DNA.
- **Lavage:** The irrigation or washing out of an organ, as of the stomach or bowel.
- **Mutagen:** An agent capable of producing a mutation.
- **Oedema:** Accumulation of fluid in tissues.
- **Teratogen:** An agent capable of causing abnormalities in a developing foetus.

**Safe Work Australia:** Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

**References**

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 SDS*