

**Section 1 – Identification of The Material & Supplier**

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**Chemical nature:** Polyvinyl Chloride (PVC)**Trade Name:** **JH Termite Barrier (TB) PVC Termite Collar****Product Use:** A termite protection system for the prevention of concealed termite entry into new buildings.**Creation date:** 10 January, 2018**Reviewed:** January, 2018 and valid for 5 years from this date.**Poisons Information Centre: Phone 13 1126 from anywhere in Australia****Section 2 – Hazards Identification****Statement of Hazardous Nature**

This product is NOT classified as Hazardous according to the criteria of SWA.

NOT a Dangerous Good according to the Criteria of NOHSC, Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

**SUSMP Classification:** Non allocated.**ADG Classification:** Non allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.**UN Number:** None allocated.**GHS Signal word: NONE. Not hazardous.****Hazard Statement(S):** None**Precautionary Statement(s):** None**Emergency Overview****Physical Description & colour:** Grey**Odour:** No odour.**Major Health Hazards:** None**Section 3 – Composition/Information on Ingredients**

| Ingredients                           | CAS No     | Conc,% |
|---------------------------------------|------------|--------|
| Poly(vinyl chloride) polymer          | 9002-86-2  | 70-80% |
| Calcium carbonate filler              | 471-34-1   | 3-16%  |
| Modifiers (chlorinated PE & Acrylics) |            | 0-5%   |
| Stabiliser & lubricants               |            | 1.6-6% |
| Titanium dioxide                      | 13463-67-7 | 1.2-4% |

**Section 4- First Aid Measures****4.1 Description of first aid measures****General Information:**

You should call The Poisons Information Centre if you feel that you may have been exposed except for minor instances. The number is 13 11 26 from anywhere in Australia and is available at all times. Have this SDS with you when you call.

**Inhalation:** There are no known health effects for the ingestion of PVC. Ingestion is unlikely to occur due to the physical size and dimensions of the products. However, small particles may be generated by sawing or mechanically breaking the products or similar means.

**Skin Contact:** Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may mechanically affect skin if not protected. There have not been reports of skin irritation arising from such dust and small particles. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the skin. Flush with copious quantities of water and treat symptomatically.

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**Eye Contact:** Inapplicable to the solid product except for mechanical injury. Dust/small particles from sawing or other mechanical process may affect eyes if not protected. Hydrochloric acid and other fumes emitted during combustion can cause irritation to the eyes. Flush with copious quantities of water and treat symptomatically.

**Ingestion:** Inapplicable to the solid product due to the physical size and dimensions of the products. For inhalation of fumes and gaseous by-products in case of smouldering and fire (hydrochloric acid, carbon monoxide etc.), remove the patient immediately from exposure and seek medical advice. Rinse mouth with water provided patient is conscious. Do not induce vomiting. Call for medical attention.

#### **4.2 Most important symptoms and effects, both acute and delayed.**

No known delayed effects. No data available

#### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

**Notes to doctor:** Treat symptomatically. Material does not wet out easily in water and is not soluble in water.

### **Section 5 – Fire Fighting Measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing agents**

Water, water-fog or foam to extinguish fire. Carbon dioxide or dry chemical are suitable but are considered not as efficient due to lack of cooling capacity.

#### **5.2 Special hazards arising from the product or its combustion products**

Combustible, self-extinguishing. Not an explosion risk. If forced to burn, it will emit dense acrid fumes containing hydrochloric acid (highly acidic and severe irritant), carbon dioxide (asphyxiant), carbon monoxide (toxic) and possibly phosgene (toxic). All are potentially lethal in sustained exposure.

#### **5.3 Advice for firefighters**

Wear fully protective body suit with self-contained breathing apparatus (S.C.B.A.) to prevent contact with fumes and gases produced during combustion. Additional information: Avoid contact with strong oxidizing agents.

**Hazchem Code:** None allocated as material is not classified as dangerous goods

### **Section 6 – Accident Release Measures**

**Accidental release:** Not applicable due to product presentation. Does not normally need any special clean-up measures. Collect product into labelled containers for recycling or salvage and dispose of promptly via an approved industrial waste disposal site. Refer to product label for specific instructions. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal.

### **Section 7 – Handling and Storage**

**7.1 Handling:** Check Section 8 of this SDS for details of personal protective measures and make sure these measures are followed. The details below under “Storage” should be followed during the handling in order to minimize risks to persons using the product in the workplace. Also avoid contact or product with incompatible materials listed in section 10.

Normal safe practices should be employed when working with the material; a well ventilated area and the use of eye and protection, dust masks and gloves are recommended when sawing, grinding (with abrasive wheel) and handling. When heating for bending or other forming, use hot water or air with appropriate safeguards. Use of an open flame is inadvisable. Eating, drinking and smoking in work areas is prohibited. Wash hands after handling product.

#### **7.2 Storage:**

Store in appropriate areas (outside or in warehouse) in accordance with site safety requirements. Do not store with strong oxidising agents.

##### **Storage class:**

Class according to regulation on flammable liquids: not applicable.

#### **7.3 Specific end uses:**

Apart from the uses mentioned in, no other specific uses are stipulated.

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## Section 8 – Exposure Controls and Personal Protection

### 8.1 Control parameters

National Exposure Limits Please note that there is a mandatory dust level limit of maximum 10mg/m<sup>3</sup> (TWA) legislated for work place environments.

### 8.2 Exposure Control

#### Appropriate engineering controls

No exposure controls are necessary as original products are inert and all additives are encapsulated within the polymer matrix and present no hazard under conditions of normal use and good occupational work practice. Handle in accordance with good industrial hygiene and safety practices. Avoid formation of dust when sawing or cutting. Avoid generation of airborne dust. Wash hands before breaks and at the end of the workday.

#### Personal Protective Equipment

##### General protective and hygienic measures:

Do not inhale dust in generated from the product. If necessary, wear appropriate respirator with P2 filter.

Wear protective clothing such as overalls and safety shoes.

Wear safety glasses and gloves for protection from mechanical injuries.

##### Eye protection:

Glasses are recommended in case of accidental knock when handling pipe and especially when working pipes mechanically, sawing etc.

##### Skin protection:

Protective gloves of strong material to protect against mechanical injury. Protective clothing such as overalls.

##### Body protection:

Wear protective clothing such as overalls as well suitable safety boots or other appropriate footwear.

##### Respiratory protection:

Respiratory protective device with P2 filter is recommended if dust is generated.

## Section 9 – Physical and Chemical Properties

|   |   |
|---|---|
| <b>9.1 Physical Description &amp; colour:</b> | Molded Circular disc 164 - 110mm (flange) with an 28mm 90° internal extension (Grey). |
| <b>Odour:</b>                                 | No odour.   |
| <b>Boiling Point:</b>                         | Not available.  |
| <b>Freezing/Melting point:</b>                | Solid at normal temperatures. Softens at about 75°C                                   |
| <b>Vapor Pressure:</b>                        | Nil at normal ambient temperatures.   |
| <b>Vapor Density:</b>                         | Not applicable.   |
| <b>Specific gravity:</b>                      | No data.  |
| <b>Flammability:</b>                          | will burn only in contact with a flame  |
| <b>Decomposition temperature:</b>             | starts decomposing at about 140°C   |
| <b>Water Solubility:</b>                      | Not soluble in water.   |
| <b>pH:</b>                                    | Not determined  |
| <b>Volatility:</b>                            | Nil at normal ambient temperatures.   |
| <b>Odor Threshold:</b>                        | No data.  |
| <b>Evaporation Rate:</b>                      | Not applicable.   |
| <b>Coeff Oil/water distribution:</b>          | No data.  |
| <b>Viscosity:</b>                             | Not applicable.   |
| <b>Auto-ignition temp:</b>                    | No data.  |
| <b>Density:</b>                               | 1.3-1.6 / Shore D hardness 80   |
| <b>Solvent Content:</b>                       | Organic solvents: 0.0%  |
| <b>Solids Content:</b>                        | 100.0%  |

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**Section 10 – Stability and Reactivity**

- 10.1 Reactivity:** This product is unlikely to react decompose under normal storage conditions.
- 10.2 Incompatibilities:** Strong oxidizing agents.
- 10.3 Fire decomposition:** Combustion forms carbon dioxide and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon Monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbances of judgment and unconsciousness followed by coma and death.
- 10.4 Chemical Stability:** Stable under recommended storage conditions; will start to decompose (smoulder, burn etc. depending on availability of oxygen/air) if heated to temperatures greater than 140 °C and maintained at elevated temperatures.
- 10.5 Polymerisation:** This product will not undergo polymerisation reactions.
- 10.6 Conditions to avoid:** Product will start to decompose if maintained at temperatures of above 140 °C. Decomposition products are hydrochloric acid, carbon dioxide, carbon monoxides and possibly phosgene.

**Section 11 – Toxicological and Information**

- 11.1 Information on toxicological effects:** The product is inert, insoluble and consist of fused polymer matrix which also encapsulates all additives.
- Acute Toxicity:** No data available
- Chronic Toxicity:** No data available
- Reproductive effects:** No data available
- Teratogenic Effects:** No data available
- Mutagenic Effects:** No data available
- Carcinogenic Effects:** No reported carcinogenic effects.
- Organ Toxicity:** No data available
- STOT-repeated exposure:** No data available.
- Aspiration hazard:** No data available.
- Information on the likely routes of exposure:** No data available.
- Symptoms related to the physical, chemical and toxicological characteristics:** No data available.
- Delayed and immediate effects and also chronic effects from short and long-term exposure:** No data available.
- Numerical measures of toxicity (such as acute toxicity estimates):** No data available.
- Interactive effects:** No data available

**Classification of Hazardous Ingredients****Ingredient****Risk Phases**

No ingredient mentioned in the HSIS Database is present in this product at hazardous concentrations. There is no data to hand indicating any particular target organs.

**Potential Health Effects****Inhalation:**

**Short term exposure:** None

**Long term exposure:** No data for health effects associated with long term inhalation.

**Skin Contact:**

**Short term exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use.

**Long term exposure:** No data for health effects associated with long term skin exposure.

**Eye Contact:**

**Short term exposure:** No data for health effects associated with long term skin exposure.

**Long term exposure:** No data for health effects associated with long term eye exposure.

**Ingestion:**

**Short term exposure:** Significant oral exposure is considered to be unlikely.

**Long term exposure:** No data for health effects associated with long term ingestion.

**Carcinogen Status:**

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

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**Section 12 – Ecological Information**

|   |                    |
|---|--------------------|
| <b>12.1 Toxicity:</b>                           | No data available. |
| <b>12.2 Persistence and degradability:</b>      | No data available  |
| <b>12.3 Bio accumulative potential:</b>         | No data available  |
| <b>12.4 Mobility in soil:</b>                   | No data available  |
| <b>12.5 Results of PBT and vPvB assessment:</b> | No data available  |
| <b>12.6 Other adverse effects:</b>              |                    |

No adverse effects on the environment have been reported. The product can be physically removed from waterways by means appropriate to the size of the article. It is recommended that in case of larger spills local environmental agencies are notified – see also Section 13

**Section 13 – Disposal Considerations****13.1 Waste treatment methods:****Product:**

Recycle where possible.

Refer to state/territory environmental protection agency/ authority. Normally suitable for disposal as general waste land fill.

**Contaminated packaging:**

Packaging that has not/cannot be cleaned is to be disposed of in the same manner as the product.

**Section 14 – Transport Information**

**ADG Code:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. Not necessary to transport the product with special conditions unless required by other regulations.

**Section 15 – Regulatory Information****15.1 Safety, health and environmental regulation(s) specific for the substance or mixture**

There is no safety, health or environmental regulation specific to these products.

**Other regulations, limitations and prohibitive regulations:** None.

**Section 16 – Other Information**

**This SDS contains only safety-related information. For other data read product literature.**

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

**Classification system**

Classification is according to GHS guidelines, ECHA chemicals' classifications and other literature and company data.

**Literature references and sources for data**

The following sources were used for the compilation of data for this material safety data sheet and were the current versions at the time of writing:

1. ' WORKPLACE EXPOSURE STANDARDS FOR AIRBORNE CONTAMINANTS, SAFE WORK AUSTRALIA'
2. ' PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS –CODE OF PRACTICE, SAFE WORK AUSTRALIA'
3. 'AUSTRALIAN DANGEROUS GOODS CODE'
4. UN globally harmonized system for hazardous chemicals
5. Classifications according to ECHA publication <http://echa.europa.eu>.

**Changes from previous versions of this SDS**

Not applicable, 1st issue according to GHS.

**Further information:**

The above information is believed to be correct at the time of writing but does not purport to be all inclusive and shall be used only as a guide. This SDS summarises our best knowledge of the health and safety hazard information of the product and how to handle and use the product safely in the workplace at the date of issue. The user must review this SDS and determine how to use it in his workplace as the conditions of use are beyond the control of JH Envirtech. If further information or clarification is needed to ensure that an appropriate assessment is made, then the user should contact this company. Our responsibility for the product as sold is subject to our standard terms and conditions.

Department Issuing SDS: Technical Services, Sydney  
Contact: Technical Services

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**Acronyms:**

|                      |   |
|----------------------|---|
| <b>ADG Code:</b>     | Australian Code for the Transport of Dangerous Goods by Road and Rails.   |
| <b>AICS:</b>         | Australian Inventory of Chemical Substance.   |
| <b>SWA:</b>          | Safe Work Australia, formerly ASCC and NOHSC.   |
| <b>CAS Number:</b>   | Chemical Abstracts Service Registry Number.   |
| <b>GHS:</b>          | Globally Harmonised System.   |
| <b>ECHA:</b>         | European Chemical Agency.   |
| <b>Hazchem Code:</b> | Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters. |
| <b>IMDG:</b>         | International Maritime Dangerous Goods Code.  |
| <b>IMSBC:</b>        | International Maritime Solid Bulk Cargo Code.   |
| <b>IATA:</b>         | International Air Transport Association.  |
| <b>IARC:</b>         | International Agency Research on Cancer.  |
| <b>NOS:</b>          | Not otherwise specified.  |
| <b>NTP:</b>          | National Toxicology Program (USA).  |
| <b>PBT:</b>          | Persistent Bioaccumulative Toxic Chemicals.   |
| <b>vPvB:</b>         | Very Persistent Very Bioaccumulative.   |
| <b>R-Phrase:</b>     | Risk phrase.  |
| <b>STOT:</b>         | Specific Target Organ Toxicity.   |
| <b>SUSMP:</b>        | Standard for the Uniform Scheduling of Drugs & Poisons.   |
| <b>UN Number:</b>    | United Nations Number.  |

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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT JH ENVIRTECH PTY LTD SO THAT WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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