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## **MATERIAL SAFETY DATA SHEET**

### **Chemag BIFEN Termicide And Insecticide**

#### **COMPANY DETAILS**

Company: Imtrade Australia

Address: Suite 22/11 Preston St, Como WA 6152

Telephone: 08 9368 7444

Facsimile: 08 9368 7445

Website Address: [www.imtrade.com.au](http://www.imtrade.com.au)

Emergency Telephone number: Office hours 08 9368 7444 A/H 0438 922 133

#### **STATEMENT OF HAZARDOUS NATURE**

This product is classified as Hazardous according to the criteria of NOHSC Australia.  
Not a dangerous Good according to the Australian Dangerous Goods (ADG) Code.

#### **PHYSICAL/CHEMICAL CHARACTERISTICS**

Uses:	For the treatment of Termites and certain urban pests as specified on the label.
Product Name:	BIFEN Termicide and Insecticide
Chemical:	Bifenthrin is a pyrethroid derivative.
UN number:	None allocated.
DG class:	Not a Dangerous Good.
Appearance:	Straw to amber coloured liquid.
Odour:	Mild citronella odour.
Flashpoint:	Not flammable.
Solubility In Water:	Emulsifiable.
Specific Gravity:	0.94 approx at 20°C
Flammability:	Not flammable.
Poisons Schedule:	S6

## COMPOSITION/INFORMATION ON INGREDIENTS

### *Ingredients:*

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Bifenthrin	82657-04-3	10%
N-Methyl-2-pyrrolidone	872-50-4	5%
Liquid hydrocarbons		56%
Other non hazardous ingredients		to 100

## STABILITY AND REACTIVITY DATA

Chemical Stability:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life.
Materials to Avoid:	This product should be kept in a cool place, preferably below 30°C. Keep containers and surrounding areas well ventilated.
Hazardous Polymerization:	This product is unlikely to undergo polymerisation processes.

## HEALTH HAZARD DATA

**Explosion Hazards:** There is a slight risk of an explosion from this product if Commercial quantities are involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Preferred extinguishing media are carbon dioxide , dry Chemical, foam, water fog.

### **HEALTH EFFECTS:**

**Inhalation:** This product is not harmful. However may cause mild irritation, although unlikely to cause anything more than mild transient discomfort.

**Ingestion:** Unlikely to cause any irritation problems in the short or long term.

**Eye:** This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However , lengthy exposure or delayed treatment may cause permanent damage.

**Skin:** May cause skin irritation, and mild discomfort.

**FIRST AID:**

**Eye:** Immediately wash eyes with lukewarm water for at least 15 minutes, while holding Eyelids open. If symptoms persist seek medical advice.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth out with water and seek Medical advice.

**Inhalation:** If inhalation has occurred, and irritation has developed, move to fresh air and observe until recovered. If irritation becomes painful or continues for more than 30 minutes, seek medical advice.

**Skin:** Immediately wash skin thoroughly with water and soap, until chemical is removed. Remove contaminated clothing, and launder clothing before reuse. If irritation persists, repeat flushing and seek medical advice.

**ADVICE TO DOCTOR** - Treat symptomatically.

## SAFE HANDLING INFORMATION

**Storage and Transport**

**Handling:** Keep exposure to this product to a minimum, and minimise the Quantities kept in work areas. Avoid contact or contamination of product with Incompatible materials.

**Storage:** Observe all relevant regulations regarding sale, transport and storage of this class of poison. Make sure that containers of this product are kept tightly closed. Pressure may build up in sealed containers, so do not seal too tight. Some liquid preparations settle or separate on standing and may need stirring before use.

**Spill and Disposal:** In the event of a major spill, prevent spillage from entering drains and waterways. Wear full protective clothing including face mask, face shield and all skin should be covered. Stop leak if safe to do so and contain spill. Absorb onto sand or other suitable material, if the spill is too large or if absorbent material is not available, try to create a barricade to stop material spreading into drains and waterways. Sweep up and collect recoverable product into labelled containers for recycling or salvage, and dispose of it promptly.

After spills, wash area preventing runoff from entering drains. Ensure legality of disposal by consulting regulations prior to disposal.

**Personal Protection:** Make sure the work environment remains clean and that dusts are minimised. Make sure work area is well ventilated. Protection clothing includes, PVC elbow length gloves, glasses or goggles, face masks and overalls .

**TOXICITY:** Bifenthrin is moderately toxic to mammals when ingested. Large doses may cause incoordination, tremor, salivation, vomiting, diarrhoea and irritability to sound and touch. LD<sub>50</sub> for bifenthrin is about 54 mg/kg in female rats and 70 mg/kg in male rats. The LD<sub>50</sub> for rabbits whose skin is exposed to Bifenthrin is greater than 2'000 mg/kg. Bifenthrin dose not sensitize the skin of guinea pigs.

Although it does not cause inflammation or irritation on human skin, it can cause a tingling sensation which lasts up to 12hrs, and is non irritating to eyes.

**ENVIRONMENTAL PROTECTION:** Bifenthrin is relatively insoluble in water, so there are no concerns about ground water contamination through leaking. It's half life in soil, the amount of time it takes to degrade to half its original concentration, is 7 to 8 months depending on the soil type and the amount of air in the soil.

**CONTACT POINT:**

Emergency Contact Number: Office 9368 7444 A/H 0438 922133

This MSDS summaries 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 MSDS 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.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.