

# Bayer Environmental Science

## Safety Data Sheet

### Kordon® Termite Barrier



Version / AUS  
102000015633

Revision Date: 01.06.2012

#### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Kordon® Termite Barrier**  
Other names: None  
Product code (UVP): 06096483  
Recommended use: Insecticide  
  
Chemical formulation: Others (XX)  
  
Company: Bayer CropScience Pty. Ltd.  
ABN 87 000 226 022  
391-393 Tooronga Road, East Hawthorn  
Victoria 3123, Australia  
  
Telephone: (03) 9248 6888  
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#### SECTION 2. HAZARDS IDENTIFICATION

| Emergency Overview      |                 |
|-------------------------|-----------------|
| NON-HAZARDOUS SUBSTANCE | DANGEROUS GOODS |

|   |  |
|---|--|
| Hazardous classification:               | Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).  |
| R-phrases(s):                           | None allocated.  |
| S-phrases(s):                           | See sections 4, 5, 6, 7, 8, 10, 13.  |
| ADG Classification:                     | Not a "Dangerous good" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Kordon Termite Barrier is a MARINE POLLUTANT. See Section 14. |
| SUSMP classification (Poison Schedule): | Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).   |

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Deltamethrin 5 g/kg (equals to 2 g/m<sup>2</sup>)

| Chemical Name                              | CAS-No.    | Concentration [%] |
|--|------------|-------------------|
| Deltamethrin                               | 52918-63-5 | 0.60              |
| Other ingredients (non-hazardous) to 100 % |            |                   |



#### SECTION 4. FIRST AID MEASURES

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.**

##### **Inhalation**

Move to fresh air.

##### **Skin contact**

Wash off with soap and water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.

##### **Eye contact**

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

##### **Ingestion**

Rinse mouth.

##### **Notes to physician**

##### **Symptoms**

Local: Skin and eye paraesthesia which may be severe, usually transient with resolution within 24 hours. Skin, eye and mucous membrane irritation, cough, sneezing.

Systemic: Discomfort in the chest, tachycardia, hypotension, nausea, abdominal pain, diarrhoea, vomiting, dizziness, blurred vision, headache, anorexia, somnolence, coma, convulsions, tremors, prostration, airway hyperreaction, pulmonary oedema, palpitation, muscular fasciculation, apathy.

##### **Risks**

This product contains a pyrethroid.

Pyrethroid poisoning should not be confused with carbamate or organophosphate poisoning.

##### **Treatment**

Local treatment: Initial treatment: Symptomatic.

Systemic treatment: Initial treatment: Symptomatic.

Monitor: Respiratory and cardiac functions.

In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

Keep respiratory tract clear.

Oxygen or artificial respiration if needed.

In case of convulsions, a benzodiazepine (e.g. diazepam) should be given according to standard regimens.

If not effective, phenobarbital may be used.

Contraindication: Atropine.

Contraindication: Derivatives of adrenaline.

There is no specific antidote.

Recovery is spontaneous and without sequelae.

#### SECTION 5. FIRE FIGHTING MEASURES

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



**Extinguishing media which shall not be used for safety reasons**

High volume water jet.

**Hazards from combustion products**

Dangerous gases are evolved in the event of a fire.

**Precautions for fire-fighting**

In the event of fire, wear self-contained breathing apparatus.

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

**Hazchem Code** 2Z

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid contact with spilled product or contaminated surfaces.

**Environmental precautions**

Do not allow to get into surface water, drains and ground water.

**Methods for cleaning up**

Collect and transfer the product into a properly labelled and tightly closed container.

**Additional advice**

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

Check also for any local site procedures.

**SECTION 7. HANDLING AND STORAGE**

**Handling**

Hygiene measures:

When using, do not eat, drink or smoke.

Wash hands immediately after work, if necessary take a shower.

Advice on protection against fire and explosion:

No special precautions required.

**Storage**

Requirements for storage areas and containers:

Keep away from direct sunlight.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.



## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

| Components   | CAS-No.    | Control parameters              | Update | Basis   |
|--------------|------------|---------------------------------|--------|---------|
| Deltamethrin | 52918-63-5 | 0.02 mg/m <sup>3</sup><br>(TWA) |        | OES BCS |

For further details on the Occupational Exposure Standards, see Section 16.

### Personal protective equipment – End user

General advice: No special protective equipment required.

### Engineering Controls

Advice on safe handling:

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form: Sheets  
Colour: Orange upper membrane and black lower membrane  
Odour: None

### Safety data

pH: No data available  
Flash point: No data available  
Ignition temperature: No data available  
Upper explosion limit: No data available  
Lower explosion limit: No data available  
Vapour pressure: No data available  
Relative vapour density: No data available  
Density: 150-250 g/m<sup>2</sup>  
Water solubility: No data available  
Partition coefficient: n-octanol/water: No data available

## SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.  
Conditions to avoid: Extremes of temperature and direct sunlight.



Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential health effects**

Inhalation: Inhalation not likely. May cause irritation of the mucous membranes.

Skin: May cause sensitization by skin contact.

Eye: May cause irritation.

Ingestion: Ingestion of the product is unlikely.

**Animal toxicity studies**

Acute oral toxicity: LD<sub>50</sub> (rat) > 10,100 mg/kg

Acute dermal toxicity: LD<sub>50</sub> (rat) > 10,100 mg/kg

Skin irritation: No skin irritation (rabbit).

Eye irritation: Slight irritant effect - does not require labelling (rabbit).

Sensitisation: Non-sensitizing (guinea pig).

**Further information**

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours). Deltamethrin is not mutagenic, carcinogenic or teratogenic. The toxicological data refer to a similar formulation.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish: LC<sub>50</sub> (*Oncorhynchus mykiss* (Rainbow trout)) 0.00091 mg/L  
Exposure time: 96 h  
The value mentioned relates to the active ingredient deltamethrin.

Toxicity to aquatic invertebrates: EC<sub>50</sub> (Water flea (*Daphnia magna*)) 0.00056 mg/L  
Exposure time: 48 h  
The value mentioned relates to the active ingredient deltamethrin.

Toxicity to aquatic plants: EC<sub>50</sub> (Algae) > 9.1 mg/L  
Exposure time: 96 h  
The value mentioned relates to the active ingredient deltamethrin.

Bioaccumulation: *Lepomis macrochirus* (Bluegill sunfish)  
Bioconcentration factor (BCF): 1,400  
The value mentioned relates to the active ingredient deltamethrin.



### SECTION 13. DISPOSAL CONSIDERATIONS

It is recommended to dispose of this product through its intended use. Off cuts of this material may be placed on top of an installed Kordon barrier prior to concrete slab pour. Alternatively off cuts should be tied in a Kordon plastic delivery bag and disposed of at an approved waste disposal facility.

### SECTION 14. TRANSPORT INFORMATION

#### ADG

|                           |   |
|---------------------------|---|
| UN-Number:                | <b>3077</b>   |
| Class:                    | 9   |
| Subsidiary Risk:          | None  |
| Packaging group:          | III   |
| Description of the goods: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,<br>N.O.S.<br>(DELTAMETHRIN MIXTURE) |
| Hazchem Code:             | 2Z  |

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

#### IMDG

|                           |   |
|---------------------------|---|
| UN-Number:                | <b>3077</b>   |
| Class:                    | 9   |
| Subsidiary Risk:          | None  |
| Packaging group:          | III   |
| EmS:                      | F-A , S-F   |
| Marine pollutant:         | YES   |
| Description of the goods: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,<br>N.O.S.<br>(DELTAMETHRIN MIXTURE) |

#### IATA

|                           |  |
|---------------------------|--|
| UN-Number:                | <b>3077</b>  |
| Class:                    | 9  |
| Subsidiary Risk:          | None   |
| Packaging group:          | III  |
| Environm. Hazardous Mark: | YES  |
| Description of the goods: | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,<br>N.O.S.<br>(DELTAMETHRIN MIXTURE ) |

### SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 60759.

See also Section 2.



**SECTION 16. OTHER INFORMATION**

**Trademark information**

Kordon® is registered trademark of Bayer.

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.

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.

**Further details on the Occupational Exposure Standards mentioned in Section 8:**

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN\_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF SDS