

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 17.03.2019

Product: **Termidor® Dry Termiticide & Insecticide**

Version: 4.0

(30647073/SDS\_CPA\_AU/EN)

Date of print 19.03.2019

## 1. Substance/preparation and manufacturer/supplier identification

### Termidor® Dry Termiticide & Insecticide

Use: insecticide

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

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**Hazard Statement:**

H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statement:**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.

**Precautionary Statements (Response):**

P391 Collect spillage.

**Precautionary Statements (Disposal):**

P501 Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

insecticide

#### Hazardous ingredients

fipronil

Content (W/W): 0.5 %  
 CAS Number: 120068-37-3

M-factor acute: 1000  
 M-factor chronic: 10000

### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Note to physician:

Symptoms: (Further) symptoms and / or effects are not known so far

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Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide

Specific hazards:  
carbon monoxide, carbon dioxide, nitrogen oxides  
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:  
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:  
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:  
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

Environmental precautions:  
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:  
For small amounts: Contain with dust binding material and dispose of.  
For large amounts: Sweep/shovel up.  
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Avoid raising dust.

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## 7. Handling and Storage

### Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:  
Avoid dust formation. Dust can form an explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Dust explosion class: Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1).

#### Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Protect against moisture. Keep away from heat. Protect from direct sunlight.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

| No occupational exposure limits known.

### Personal protective equipment

Respiratory protection:

Nuisance dust mask if use causes dusting.

Hand protection:

PVC-coated gloves

Eye protection:

Eye protection not required.

Body protection:

Dustproof working clothes.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Wash contaminated clothing before reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Before eating, drinking, or smoking, wash face and hands with soap and water.

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## 9. Physical and Chemical Properties

Form: powder  
Colour: white  
Odour: odourless  
Odour threshold: not applicable, odour not perceivable

pH value: approx. 5.0 - 7.0  
(20 °C)

Melting point: The product has not been tested.

Boiling range: The product has not been tested.

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Flash point:	not applicable, the product is a solid	
Evaporation rate:	not applicable	
Flammability (solid/gas):	not highly flammable	
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.	
Ignition temperature:	Based on the water content the product does not ignite.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Temperature: 258.0 °C not self-igniting	(Method: Directive 92/69/EEC, A.16)
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	
Vapour pressure:	not applicable	
Density:	approx. 1.52 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	not applicable	
Solubility in water:	dispersible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Viscosity, dynamic:	not applicable, the product is a solid	

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## 10. Stability and Reactivity

Conditions to avoid:  
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong bases, strong acids, strong oxidizing agents

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:  
LD50 rat (oral): > 5,000 mg/kg (OECD Guideline 423)

LC50 (by inhalation): > 5 mg/l 4 h

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

### Irritation

Assessment of irritating effects:  
Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:  
Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

### Respiratory/Skin sensitization

Assessment of sensitization:  
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:  
Buehler test guinea pig: (OECD Guideline 406)

### **Germ cell mutagenicity**

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### **Carcinogenicity**

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil

Assessment of carcinogenicity:

In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.

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### **Reproductive toxicity**

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### **Developmental toxicity**

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

The available information is not sufficient for the evaluation of specific target organ toxicity.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil

Assessment of repeated dose toxicity:

Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.

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### **Aspiration hazard**

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The product has not been tested. The statement has been derived from the properties of the individual components.  
No aspiration hazard expected.

### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

| Information on: Fipronil

  Toxicity to fish:

LC50 (96 h) 0.0852 mg/l, *Lepomis macrochirus*

| Information on: Fipronil

  Aquatic invertebrates:

| EC50 (48 h) 0.19 mg/l, *Daphnia magna*

EC50 (96 h) 0.00017 mg/l, *Mysidopsis bahia*

| Information on: Fipronil

  Aquatic plants:

| EC50 (72 h) 0.103 mg/l (growth rate), *Scenedesmus subspicatus*

No observed effect concentration (14 d) > 0.16 mg/l, *Lemna gibba*

| Information on: Fipronil

  Chronic toxicity to fish:

No observed effect concentration (35 d) 0.0029 mg/l, *Cyprinodon variegatus*

| Information on: Fipronil

  Chronic toxicity to aquatic invertebrates:

No observed effect concentration (28 d), 0.000008 mg/l, *Mysidopsis bahia*

### Mobility

Assessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.



Information on: Fipronil  
Assessment transport between environmental compartments:  
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.  
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### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil  
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### **Bioaccumulation potential**

Assessment bioaccumulation potential:  
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil  
Bioaccumulation potential:  
Bioconcentration factor: 321, *Lepomis macrochirus*  
Accumulation in organisms is not to be expected.  
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### **Additional information**

Other ecotoxicological advice:  
Do not discharge product into the environment without control.

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## **13. Disposal Considerations**

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

**Domestic transport:**  
Packing group: III  
ID number: UN 3077  
Transport hazard class(es): 9, EHS  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains FIPRONIL)

### **Further information**

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Hazchem Code:2Z  
IERG Number:47

**Sea transport**

IMDG

Packing group: III  
ID number: UN 3077  
Transport hazard class(es): 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains FIPRONIL)

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 3077  
Transport hazard class(es): 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains FIPRONIL)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 5

APVMA Approval No. 60654

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**16. Other Information**

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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