

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 02.06.2014

Product: **TERMIDOR® DRY TERMITICIDE & INSECTICIDE**

Version: 2.0

(58026057/SDS\_CPA\_AU/EN)

Date of print 19.11.2015

## 1. Substance/preparation and company identification

### **TERMIDOR® DRY TERMITICIDE & INSECTICIDE**

Use: crop protection product, 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

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**DANGEROUS GOOD, NON-HAZARDOUS SUBSTANCE**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Do not empty into drains, this material and its container must be disposed of in a safe way.

Use appropriate container to avoid environmental contamination.

### 3. Composition/information on ingredients

#### Chemical nature

crop protection product, insecticide, wettable powder

#### Hazardous ingredients

Fipronil

Content (W/W): 0.5 %  
CAS Number: 120068-37-3  
Hazard symbol(s): T, N  
R-phrase(s): 23/24/25, 48/25, 50/53

| Cellulose

Content (W/W): < 100 %  
| CAS Number: 9004-34-6

The wording of the hazard symbols and R-phrases is specified in section 16 if dangerous ingredients are mentioned.

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### 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 plenty of water.

Note to physician:  
Symptoms: No significant reaction of the human body to the product known.  
| 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:  
water jet, 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.

Additional information: Attention - The product has not yet been fully tested.

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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

Cellulose, 9004-34-6;

TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

TWA value 10 mg/m<sup>3</sup> (AU NOEL), Inhalable fibers

This value is for inhalable dust containing no asbestos and < 1% crystalline silica.

### Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact

(Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wearing of closed work clothing is recommended. The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing.

Keep away from food, drink and animal feeding stuffs. Store work clothing separately.

## 9. Physical and Chemical Properties

Form: powder  
Colour: white  
Odour: odourless

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.

Flash point: not applicable, the product is a solid  
Flammability: not highly flammable

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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.	
Self ignition:	Temperature: 258.0 °C not self-igniting	(Method: Directive 92/69/EEC, A.16)
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	

## Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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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.
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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.

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.

Primary skin irritation rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane rabbit: non-irritant (OECD Guideline 405)

### Sensitization

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

Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies. (OECD Guideline 406)

### Repeated dose toxicity

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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### Genetic toxicity

**Assessment of mutagenicity:**

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

**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. In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans.

**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.

**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 organisms. May cause long-term adverse effects in the aquatic environment. 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) 0.25 mg/l, *Oncorhynchus mykiss*

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

LC50 (96 h) 0.43 mg/l, *Cyprinus carpio*

**Information on: fipronil**

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Aquatic invertebrates:

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

LC50 (96 h) 0.00014 mg/l, Mysidopsis bahia  
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Information on: fipronil

Aquatic plants:

EC50 (96 h) 0.068 mg/l (biomass), Scenedesmus subspicatus  
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### **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

Assessment biodegradation and elimination (H<sub>2</sub>O):Not readily biodegradable (by OECD criteria).  
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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:**

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

#### **Further information**

Hazchem Code:2Z  
IERG Number:47

#### **Sea transport**

##### IMDG

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

#### **Air transport**

##### IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3077  
Hazard label: 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 or 500 L.

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## 15. Regulatory Information

Poisons Schedule: Not scheduled

### Regulations of the European union (Labelling)

#### EEC Directives:

#### Hazard symbol(s)

N Dangerous for the environment.

#### R-phrases(s)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases(s)

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feeding stuffs.

S20/21 When using do not eat, drink or smoke.

S29/35 Do not empty into drains, this material and its container must be disposed of in a safe way.

S57 Use appropriate container to avoid environmental contamination.

### Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

#### **Registration status:**

AICS, AU released / exempt

crop protection product

## 16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in section 3:

T Toxic.

N Dangerous for the environment.

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.