

# Safety data sheet

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BASF Australia Limited Safety data sheet

Date / Revised: 11.09.2006

Product: **TERMIDOR® 100 SC**

Version: 2.0

Classified as hazardous according to criteria of NOHSC

350 65 I

(30211126/SDS\_CPA\_AU/EN)

Date of print 03.03.2008

## 1. Substance/preparation and company identification

### **TERMIDOR® 100 SC**

Use: crop protection product, insecticide

Company:

BASF Australia Limited (ABN 62 008 437 867)

500 Princes Highway Noble Park

Victoria 3174, AUSTRALIA

Telephone: +61 3 9212-1500

Telefax number: +61 3 9212-1511

Emergency information:

1800 803 440 (24h) [within Australia]

+61 3 9212-1666 [outside Australia]

## 2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Harmful by inhalation.

Irritating to eyes and skin.

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Keep out of the reach of children.

If swallowed, seek medical advice immediately and show this container or label.

Use appropriate container to avoid environmental contamination.

This material and its container must be disposed of in a safe way.

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### 3. Composition/information on ingredients

#### Chemical nature

crop protection product, insecticide, suspension concentrate (SC)

#### Hazardous ingredients

Fipronil

Content (W/W): 9.4 %

CAS Number: 120068-37-3

sodium alkylnaphthalene sulphonate, formaldehyde condensate

Content (W/W):  $\geq 1.7\%$  -  $\leq 2.3\%$

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

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### 4. First-aid measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur:

Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, induce vomiting, seek medical attention.

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

Suitable extinguishing media:

water spray, water fog, carbon dioxide, foam, dry extinguishing media

Specific hazards:

carbon monoxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, organochloric compounds, sulfur 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. Remove contaminated clothes, undergarments and shoes immediately.

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: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus. 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.

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## 7. Handling and storage

### Handling

No special measures necessary if stored and handled correctly.

Protection against fire and explosion:

No special precautions necessary. The substance/product is non-combustible.

### Storage

Segregate from foods and animal feeds.

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Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

no exposure standard allocated

### Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding &gt; 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 DIN-EN 465).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

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## 9. Physical and chemical properties

Form:	viscous
Colour:	light brown
Odour:	odourless

pH value:	7.2 (as aqueous solution)
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Flash point: > 97.4 °C

Density: 1.061 g/cm<sup>3</sup>  
(25 °C)

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## 10. Stability and reactivity

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

Substances to avoid:  
No substances known that should be avoided.

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

LD50 rat (oral): > 1,999 mg/kg

LC50 rat (by inhalation): > 1.7 mg/l 4 h

LD50 rabbit (dermal): > 2,000 mg/kg

### Irritation

Primary skin irritation rabbit: Irritant.

Primary irritations of the mucous membrane rabbit: Irritant.

### Sensitization

guinea pig: Skin sensitizing effects were not observed in animal studies.

### Other relevant toxicity information

Misuse can be harmful to health.

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## 12. Ecological information

### Ecotoxicity

Information on: *Fipronil*

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*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**Aquatic invertebrates:**EC50 (48 h) 0.19 mg/l, Daphnia magna*  
-----*Information on: Fipronil**Aquatic plants:**EC50 (72 h) 0.068 mg/l (biomass), Scenedesmus subspicatus*  
-----**Persistence and degradability***Information on: Fipronil**Elimination information:**Not readily biodegradable (by OECD criteria).*  
-----**Additional information**

## Other ecotoxicological advice:

Do not discharge product into the environment without control. The ecological data given are those of the active ingredient.

**13. Disposal considerations**

Must be dumped or incinerated in accordance with local regulations.

## Contaminated packaging:

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

**14. Transport information****Domestic transport:**

Not classified as a dangerous good under transport regulations

**Sea transport***IMDG*

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9

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Marine pollutant:	YES
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL 10%, , , )

**Air transport***IATA/ICAO*

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. contains (FIPRONIL 10%, , , )

**15. Regulatory information****National legislation/Regulations**Standard for the Uniform Scheduling of Drugs and Poisons (Australia):

Poisons Schedule: Drugs &amp; Poisons, Schedule 5

Hazard symbol(s)

N	Dangerous for the environment.
Xn	Harmful.

R-phrases(s)

R20	Harmful by inhalation.
R36/38	Irritating to eyes and skin.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S2	Keep out of the reach of children.
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate container to avoid environmental contamination.
S35	This material and its container must be disposed of in a safe way.

Hazard determining component(s) for labelling: FIPRONIL

The product contains: 1,2-benzisothiazol-3(2H)-one  
May produce an allergic reaction.

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### **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)

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## **16. Other information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

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

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.