

Safety Data Sheet

Version: 5.0
Date / Revised: 11.11.2015

TERMIDOR® DUST TERMITICIDE AND INSECTICIDE

Date of Print: 11.11.2015

1. Substance/preparation and company identification

TERMIDOR® DUST TERMITICIDE AND INSECTICIDE

Use: Ready to use powder insecticide for the control of termites and nuisance ants.

Manufacturer / supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place
Southbank VIC 3006
AUSTRALIA
Telephone: +61-3-8855 6600
Telefax: +61-3-8855 6511

Emergency information (24 h):

Within Australia: 1800 803 440
Outside Australia: +61 3 8855 6666

2. Hazards Identification

NON-HAZARDOUS SUBSTANCE – NON-DANGEROUS GOODS. (Pack sizes up to 500 kg/L)

NON-HAZARDOUS SUBSTANCE – DANGEROUS GOODS. (Pack sizes > 500 kg/L)

The product is not classified as a hazardous chemical in accordance with GHS criteria.

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

Keep out of reach of children.

Read safety directions before opening or using.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

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

Use appropriate container to avoid environmental contamination.

GHS CLASSIFICATION

WARNING

Hazardous to the aquatic environment – Acute Category 1

Hazardous to the aquatic environment – Chronic Category 1



Hazard statements

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

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Precautionary statements (Response)

Collect spillage.

Precautionary statements (Disposal)

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

3. Composition/Information on Ingredients

Chemical nature

Wettable powder insecticide

Hazardous ingredients

Fipronil

Content (W/W): 0.5 %
CAS Number: 120068-37-3
Acute Toxicity (inhalation, dust) – Category 2
Acute Toxicity (oral) – Category 3
Acute Toxicity (dermal) – Category 3
STOT (repeated exposure) – Category 1
Aquatic Acute – Category 1
Aquatic Chronic – Category 1

4. First-Aid Measures

General advice

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26. Avoid contact with the skin, eyes and clothing. 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).

5. Fire-Fighting Measures

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Suitable extinguishing media

Water spray, dry powder, foam. Do not use water jets or carbon dioxide.

Specific hazards

The following substances can be released in a fire: carbon monoxide, carbon dioxide, nitrogen oxides.

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 and do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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

Contain and sweep up spills with dust binding material. Avoid raising dust. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Dispose of absorbed material in accordance with regulations.

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. Avoid contact with eyes. Hands and/or face should be washed before breaks and at the end of the shift. Do not use in areas accessible to children. Do not apply directly to food, utensils, food packaging, food contact or handling surfaces.

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

Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Keep away from heat. Protect against moisture. Shake and completely empty contents into dust application equipment. Do not dispose of unused chemicals on-site.

8. Exposure Controls and Personal Protection

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Exposure limit values

No workplace exposure standard is applicable for this product.

Respiratory protection

Disposable dust mask as required.

Hand protection

Elbow-length protective gloves are required for the safe handling of this product, e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm) or polyvinylchloride (0.7 mm).

Eye protection

Safety goggles or safety glasses.

Body protection

Cotton overalls buttoned to the neck and wrist (or equivalent clothing).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing (e.g. cotton overalls) is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. Wash hands after use. After each day's use wash gloves and contaminated clothing.

9. Physical and Chemical Properties

Form:	powder
Colour:	white
Odour:	odourless
pH value:	not applicable
Boiling point:	not tested
Melting range:	not tested
Flash point:	not applicable, the product is a solid
Lower explosion limit:	not available
Upper explosion limit:	not available
Explosion hazard:	not explosive
Self ignition:	258°C (Directive 92/69/EEC, A. 16)
Vapour pressure:	not applicable
Density:	approx. 1.52 g/cm ³ (20°C)
Solubility in water:	dispersible
Solubility:	not available for other media
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity	not applicable, the product is a solid
Evaporation rate:	not applicable

10. Stability and Reactivity

Conditions to avoid

Protect against moisture. Keep away from heat. Protect from direct sunlight.

Thermal decomposition

No decomposition if stored and handled as per the directions on the label.

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Materials to avoid

Strong acids, strong bases and strong oxidizing agents.

Hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products

No hazardous decomposition product when stored and handled according to instructions.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually non-toxic by inhalation. Virtually non-toxic after a single skin contact. Virtually non-toxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5000 mg/kg (OECD Guideline 423)

LD50 rat (dermal): > 5000 mg/kg (OECD Guideline 402)

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

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Germ cell mutagenicity

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 (fipronil)

In long-term studies in rats, the substance induced thyroid tumours. 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. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

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

Developmental toxicity

Assessment of teratogenicity:

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. 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:

Fipronil causes mortality and signs of neurotoxicity through prolonged or repeated exposure.

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Other relevant toxicity information

Misuse can be harmful to health. May irritate the eyes, nose and throat. Repeated exposure may cause allergic disorders. Avoid contact with eyes. Do not inhale dust.

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): 0.0852 mg/l, *Lepomis macrochirus*

LC50 (96 h): 0.25 mg/l, *Oncorhynchus mykiss*

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

Toxicity to aquatic invertebrates:

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

LC50 (96 h): 0.00014 mg/l, *Mysidopsis bahia*

No Observed Effect Concentration (NOEC): 0.0098 mg/l/21 d, *Daphnia magna*

No Observed Effect Concentration (NOEC): 0.000008 mg/l/96 h, *Mysidopsis bahia*

Toxicity to aquatic plants:

EC50 (96 h): 0.068 mg/l (growth rate), *Scenedesmus subspicatus*

No Observed Effect Concentration (NOEC): 0.04 mg/l/96 h, *Pseudokirchneriella subcapitata*

EC50 (14 d): > 0.16 mg/l (growth rate), *Lemna gibba*

No Observed Effect Concentration (NOEC): > 0.16 mg/l/14 d, *Lemna gibba*

Mobility

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of the groundwater is not expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H2O):

Fipronil is not readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Assessment biodegradation and elimination (H2O):

Accumulation in organisms is not to be expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on Fipronil:

Bioconcentration factor: 321, *Lepomis macrochirus*

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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13. Disposal Considerations

Waste disposal of substance

Dispose of in accordance with relevant local, state or territory government regulations. Do not incinerate product.

Contaminated packaging

Break, crush and bury empty containers in a local authority landfill. If no landfill is available, bury the container below 500 mm in a disposal pit specifically marked and set up for this purpose. The pit should be clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not contaminate streams, rivers or waterways with the chemical or used containers.

14. Transport Information

Domestic transport (ADG)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
Hazard Label: 9, EHSM
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains FIPRONIL)
Hazchem Code: 2Z

Sea transport (IMDG)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
Hazard Label: 9, EHSM
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains FIPRONIL)
Marine Pollutant: YES

Air transport (ICAO/IATA)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
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 subject to the Australian Dangerous Goods Code when transported by road or rail in packages not exceeding 500 kg (L) or IBCs.

15. Regulatory Information

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP)

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Poisons Schedule: Schedule 5

Registration status

APVMA Approval Number 60654

16. Other Information

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.