

Material Safety Data Sheet

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Infosafe No. **BSF4F** Issue Date : April 2006 ISSUED by BASFANZ

Product Name : **TERMIDOR® Residual Termiticide**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name TERMIDOR® Residual Termiticide
Product Use For use as a termiticide for treatment of existing buildings, posts and poles.
Company Name BASF Australia Ltd (ABN 62 008 437 867)
Address 500 Princes Highway Noble Park
Victoria 3174 Australia
Emergency Tel. 1800 803 440 (24h)
Telephone Number/Fax Tel: +61 3 9212 1500 Fax: +61 3 9212 1511
Other Names Name Product Code
Termidor 100 SC
Other Information BASF New Zealand Limited
3 Airpark Drive, Airport Oaks, Manukau
P.O. Box 407, Auckland 1015
Phone: + 64 9 255 4300
Fax: + 64 9 255 4307
E-mail address: reception@basf-nz.co.nz
Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Other ingredients (non-hazardous)		90 %w/v
	Fipronil	120068-37-3	10 %w/v

3. HAZARDS IDENTIFICATION

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.

Other Information HAZARDOUS SUBSTANCE, NON DANGEROUS GOOD

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 Material Safety Data Sheet to a doctor.

Inhalation If inhaled, remove to fresh air and obtain medical advice.

Ingestion If swallowed, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Keep under medical supervision.

Skin Remove contaminated clothing. Wash affected areas with plenty of soap and water.

Eye Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.

First Aid Facilities Ensure washing facilities are available including eyewash facilities.

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Advice to Doctor	Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will induce neurological stimulation with possible convulsions. Treat symptoms. No specific antidote known. Phenobarbital, and to a lesser extent, benzodiazepines, have been shown experimentally to be effective in preventing convulsions induced by fipronil. Due to slow absorption of fipronil through the gut, symptoms of intoxication may be delayed several hours to one day. Absorption may be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible enterohepatic recirculation). Continue monitoring due to slow elimination of the compound.
Symptoms and Effects	No adverse health effects are expected if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may occur if the product is mishandled are respiratory difficulty, decreased reflexes, lethargy, tremors, and in severe cases convulsions.
Other Information	DO NOT attempt to give anything to a semi-conscious or unconscious person.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, water spray, dry agent, foam.
Specific Methods	Firefighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715, 1716). If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth to prevent it entering any bodies of water.
Other Information	Neutralising chemicals: Hydrated lime.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Clear area of all unprotected personnel. Wear chemical resistant clothing buttoned to the neck and wrist and a washable hat, half-facepiece respirator with combined dust and gas cartridge and elbow-length PVC or nitrile gloves. Contain spill and absorb with absorbent material such as earth, sand or clay. Stop leak if safe to do so by manoeuvring the container. Decant leaking container into a clean drum, remote from the storage area and label. If the leaking container can be repacked, contact BASF Australia Ltd, so that an overdrum and transport for return to a nominated BASF location can be arranged. Toxic to aquatic organisms. Do NOT flush to drains or sewers. Do NOT contaminate streams, rivers or water courses.
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7. HANDLING AND STORAGE

Storage	Keep out of reach of children. Store in the closed, original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight.
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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia) for this product or its ingredients.
Respiratory Protection	Wear a half-facepiece respirator with combined dust and gas cartridge during preparation and use of the product.
Eye Protection	Avoid contact with eyes. Wear tightly fitting safety goggles.
Hand Protection	Elbow-length PVC or nitrile gloves.
Body Protection	Chemical resistant clothing buttoned to the neck and wrist and a washable hat.
Eng. Controls	Control process conditions to avoid contact.
Other Information	Wash hands after use. After each day's use, wash gloves, respirator facepiece and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Milky white viscous liquid, odourless.
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Melting Point	Not Available
Solubility in Water	Dispersible, 1.9 mg/L at 20°C (technical fipronil)
Boiling Point	Not Available
pH Value	7.0 - 8.0 (1% aqueous solution)
Vapour Pressure	3.7×10^{-7} Pa at 25 °C
Density	1.06 g/mL at 20°C
Flash Point	>97.4°C
Flammability	Not flammable.
Flammable Limits LEL	Not determined
Flammable Limits UEL	Not determined
Molecular Weight	437.2 (technical fipronil)

10. STABILITY AND REACTIVITY

Stable under normal conditions of use. No dangerous reaction known under normal conditions of use. Avoid extreme heat and fire. Toxic thermal decomposition products may include oxides of carbon, sulphur and nitrogen and compounds of chlorine and fluorine.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	(TERMIDOR Residual Termiticide) Acute oral: low, LD50 > 2000 mg/kg bw (rat) Acute dermal: low, LD50 >2000 mg/kg bw (rabbit) Acute inhalation: LC50 (4 hr) >1.7 mg/L (Rat) Acute inhalation: LC50 (1 hr, calculated) >6.8 mg/L (Rat) Acute skin irritation: skin irritant Acute eye irritation: irritating Skin Sensitization: Non-sensitizing (Guinea pig)
Inhalation	Does not present an inhalation hazard as the product has a very low vapour pressure.
Ingestion	Low acute oral toxicity
Skin	Low acute dermal toxicity. Low dermal absorption (1 %).
Eye	Will irritate eyes. May cause weeping and redness.
Chronic Effects	There is no cancer risk from short or long term exposure to Termidor used according to label directions (US EPA Risk Assessment, 1999). Fipronil is not mutagenic and not teratogenic.

12. ECOLOGICAL INFORMATION

Information on Ecological Effects	Non-toxic to earthworms. Fipronil has low mobility in soil. Toxic to fish and aquatic organisms. Do NOT apply to areas where surface water is present. Rinse waters and run-off from treated areas MUST be prevented from entering drains or waterways. Do NOT contaminate streams, rivers or waterways with the chemical or used containers. Rainbow trout (96hr) LC50: 0.248 mg/L European carp (96hr) LC50: 0.430 mg/L Daphnia magna (48hr) EC50: 0.19 mg/L
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13. DISPOSAL CONSIDERATIONS

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Waste Disposal Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. Do NOT dispose of undiluted chemicals on-site. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

14. TRANSPORT INFORMATION

U.N. Number None Allocated

Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

Storage and Transport Not classified as a Dangerous Good according to the ADG Code.

15. REGULATORY INFORMATION

Risk Phrase 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.

Safety Phrase S1/2 Keep locked up and out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S20/21 When using, do not eat, drink or smoke.
S35 This material and its container must be disposed of in a safe way.
S46 If swallowed, seek medical advice immediately and show this container or label.
S57 Use appropriate container to avoid environmental contamination.

Poisons Schedule S5

Hazard Category Harmful, Irritant, Dangerous for the environment

16. OTHER INFORMATION

Contact Person/Point HS&E Co-ordinator (Aus) Tel: +61 3 9281 6345 Fax: +61 3 9281 6320
Business Support (NZ) Tel: 0800 932 273 Fax: 0800 940 000

This MSDS 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. It should be read taking into account how the product is handled in your particular situation and how it is used in conjunction with other products.
...End Of MSDS...