

Material Safety Data Sheet

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Infosafe No. **BSF4F** Issue Date : January 2004 ISSUED by BASFANZ

Product Name : **TERMIDOR® Residual Termiticide**

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

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)
Tel/Fax Tel: +61 3 9212 1500 Fax: +61 3 9212 1511
Other Information BASF New Zealand Ltd
38 Mahunga Drive Mangere Bridge
Auckland New Zealand
Phone: +64 9 633 0200
Fax: +64 9 633 0265
Emergency advice: 0800 944 955 (24h)
National Poisons Centre - 24 hour Urgent Information: 0800 764 766
National Poisons Centre - Non-Urgent Information: +64 3 479 7248

IDENTIFICATION

Product Name TERMIDOR® Residual Termiticide
Proper Shipping Name PESTICIDES, LIQUID, TOXIC, N.O.S.* - (contains FIPRONIL)
UN Number 2902
DG Class 6.1
Packing Group III
Hazchem Code 2X
Poisons Schedule S5
Product Use For use as a termiticide for treatment of existing buildings, posts and poles.
Substance Chemical Family Phenyl pyrazole

Physical Data

Appearance Milky white viscous liquid, odourless.
Melting Point Not Available
Boiling Point Not Available
Vapour Pressure 3.7×10^{-7} Pa at 25 °C
Flash Point >97.4°C
Flamm. Limit LEL Not determined
Flamm. Limit UEL Not determined
Solubility in Water Dispersible, 1.9 mg/L at 20°C (technical fipronil)
Density 1.06 g/mL at 20°C

Other Properties

pH Value 7.0 - 8.0
(1% aqueous solution)
Molecular Weight 437.2
(technical fipronil)

Ingredients

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

HEALTH HAZARD INFORMATION

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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.

Health Effects

Acute - Swallowed Low acute oral toxicity
Acute - Eye May irritate eyes. May cause weeping and redness.
Acute - Skin Low acute dermal toxicity. Low dermal absorption (1 %).
Acute - Inhaled Does not present an inhalation hazard as the product has a very low vapour pressure.
Chronic 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.
Other Information Repeated exposure at dose levels that are not acutely toxic may result in symptoms of toxicity.

First Aid

Swallowed If swallowed, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Keep under medical supervision.
Eye Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.
Skin Remove contaminated clothing. Wash affected areas with plenty of soap and water.
Inhaled If inhaled, remove to fresh air and obtain medical advice.
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.
First Aid Facilities Ensure washing facilities are available including eyewash facilities.
Other Information DO NOT attempt to give anything to a semi-conscious or unconscious person.

Advice to Doctor

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.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia) for this product or its ingredients.
Eng. Controls Control process conditions to avoid contact.
Other Information To be used strictly in accordance with label instructions.

Personal Protection

Respirator Type (AS 1716) Wear a half-facepiece respirator with combined dust and gas cartridge during preparation and use of the product.
Eye Protection Avoid contact with eyes.
Glove Type Elbow-length PVC or nitrile gloves.

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Clothing Chemical resistant clothing buttoned to the neck and wrist and a washable hat.
Other Information Wash hands after use. After each day's use, wash gloves, respirator facepiece and contaminated clothing.

Flammability

Fire Hazards Not flammable.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions 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.

Transport The product is classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail: PESTICIDE, LIQUID, TOXIC, N.O.S. (contains fipronil), Class: 6.1, PG III, UN 2902. Must be stored and transported according to local, State/Territory and Federal regulations.

Proper Shipping Name PESTICIDES, LIQUID, TOXIC, N.O.S.* - (contains FIPRONIL)

EPG Number 6B1

IERG Number 34

Packaging Method 5.9.6.1

Spills and Disposal

Spills & Leaks 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.

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.

Fire/Explosion Hazard

Fire Fighting Procedures 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.

Extinguishing Media Carbon dioxide, water spray, dry agent, foam.

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.

Hazchem Code 2X

Other Information Neutralising chemicals: Hydrated lime.

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OTHER INFORMATION

Toxicology (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: Not expected to be a skin irritant
Acute eye irritation: Slightly irritating
Skin Sensitization: Non-sensitizing (Guinea pig)

Information on Ecological Effects Non-toxic to earthworms. Fipronil has low mobility in soil. Highly 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

CONTACT POINT

Contact Regulatory Affairs Officer (Aus) Tel: +61 3 9281 6346 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...