

# Material Safety Data Sheet

# BASF

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Infosafe No. 1BFPP Issue Date : July 2003 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: 0800 944 955 (24h)

## 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** Light brown viscous liquid, odourless.  
**Melting Point** Not Available  
**Boiling Point** Not Available  
**Vapour Pressure** Not determined.  
**Specific Gravity** 1.061 g/mL at 20C  
**Flash Point** >97.4C  
**Flamm. Limit LEL** Not determined  
**Flamm. Limit UEL** Not determined  
**Solubility in Water** 1.9 mg/mL at 20C (technical fipronil)

## Other Properties

**pH Value** 7.22 (aqueous solution)  
**Molecular Weight** 437.2 (technical fipronil)

## Ingredients

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Ingredients	Name	CAS	Proportion
	Other ingredients	(non hazardous)	89.9 %
	Fipronil	120068-37-3	10 %
	1,2-Benzisothiazolin-3-one	2634-33-5	0.1 %

## HEALTH HAZARD INFORMATION

### Health Effects

<b>Acute - Swallowed</b>	Harmful if swallowed. May cause shortness of breath, drowsiness, involuntary shaking, muscle weakness, convulsions.
<b>Acute - Eye</b>	Will irritate eyes. May cause weeping and redness.
<b>Acute - Skin</b>	Harmful if absorbed through the skin. May produce symptoms similar to those from ingestion. May irritate skin. Studies indicate this product is not a sensitising agent.
<b>Acute - Inhaled</b>	Harmful if inhaled. May cause symptoms similar to those from ingestion.
<b>Chronic</b>	Non mutagenic. Non teratogenic. This product does not contain any substances that are considered to be suspected human carcinogens.
<b>Other Information</b>	Symptoms of over exposure include respiratory difficulty, decreased reflexes, lethargy, tremors, and in severe cases, convulsions. Repeated exposure at dose levels that are not acutely toxic may result in symptoms of toxicity.

### First Aid

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

### Advice to Doctor

<b>Advice to Doctor</b>	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.
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### Other Health Hazard Information

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## 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. Use local exhaust ventilation during manufacture. Use in a well-ventilated area only.
- Other Information** To be used strictly in accordance with label instructions.

## Personal Protection

- Respirator Type (AS 1716)** Do not breathe vapour or spray. Wear an organic cartridge respirator if inhalation is possible.
- Eye Protection** Wear safety goggles or face mask during mixing and use.
- Glove Type** Elbow-length PVC gloves.
- Clothing** Avoid skin contact when opening the container, preparing the product for use and using the prepared spray. Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).
- Other Information** Wash hands after use. After each day's use, wash gloves, goggles, 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 dry, cool, well ventilated area, out of direct sunlight. Store in a locked room or place away from children, animals, food, feedstuffs, seed and fertilisers. Store treated seed in clearly marked bags or silos, away from other grain, animal feed or foodstuffs, in a cool, dry storage area.
- 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

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**Spills & Leaks** Avoid contact with eyes, skin and clothing and inhalation of product. Dealing with spills and disposals may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn: cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves, face-shield or goggles.  
CONTAIN SPILL and absorb with absorbent material such as earth, sand or clay and store in properly labelled, sealed drums for safe disposal in an approved landfill. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**Disposal** Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush or puncture and bury empty containers in local authority landfill. If not available, bury empty containers below 500mm 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.

## OTHER INFORMATION

**Toxicology** Oral LD50 (mg/kg): >1999 (species: rat)  
Dermal LD50 (mg/kg): >2000 (species: rabbit)  
Inhalation LC50 (mg/L/4hr): >1.7 (species: rat)

**Information on Ecological Effects** (Technical Fipronil)  
Dangerous to bees. Do not spray any plants in flower while bees are foraging.  
Harmful to aquatic life. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.  
Non-toxic to earthworms.  
Fipronil has low mobility in soil.  
Acute LC50 (96hr) for rainbow trout 0.248 mg/L  
Acute LC50 (96hr) for European carp 0.430 mg/L  
Acute EC50 for Daphnia magna (48hr) 0.19 mg/L  
Acute oral LD50 for mallard ducks >2150 mg/kg  
Acute oral LD50 for pheasants 31 mg/kg  
Acute oral LD50 for bobwhite quail 11.3 mg/kg  
DO NOT apply under meteorological conditions or from spraying equipment that could be expected to cause spray to drift onto nearby plants, adjacent crops, croplands or pastures.

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**Other Information** Neutralising Chemicals: Hydrated lime.  
Do not allow entry into treated areas until spray has dried. When prior entry is necessary, wear overalls and chemical resistant gloves. Clothing must be laundered after each day's use.

**References** Bayer CropScience product safety data May 9, 2000

## 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...