Safety data sheet

1. Substance/preparation and company identification

TERMIDOR® RESIDUAL TERMITCIDE AND INSECTICIDE

Use: crop protection product, insecticide

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

Emergency information:
BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

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

Harmful if swallowed.
Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

3. Composition/information on ingredients

**Chemical nature**

biocide, insecticide, suspension concentrate (SC)

**Hazardous ingredients**

Fipronil

Content (W/W): 9.4 %
CAS Number: 120068-37-3
Hazard symbol(s): T, N
R-phrase(s): 23/24/25, 48/25, 50/53

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

4. First-Aid Measures

**General advice:**
Remove contaminated clothing.

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

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:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

**Note to physician:**
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known. Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
6. Accidental Release Measures

Personal precautions:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Do not breathe vapour/spray.

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.
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.

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. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:
No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage
Segregate from foods and animal feeds.
Further information on storage conditions: Keep away from heat. Protect from direct sunlight.
8. Exposure controls and personal protection

Components with occupational exposure limits

no exposure standard allocated

Personal protective equipment

Respiratory protection:
Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact
(Recommended: Protective index 6, corresponding > 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 EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form: liquid
Colour: off-white
Odour: faintly aromatic

pH value: approx. 6 - 8
(1 %(m), 20 °C)
(as suspension)

Freezing point: -4 °C
Boiling point: 100 °C
Flash point: No flash point - Measurement made up to the boiling point.

Flammability: Based on the structure or composition there is no indication of flammability.

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Ignition temperature: Based on the water content the product does not ignite.

Explosion hazard: Based on the chemical structure there is no indicating of explosive properties.

Fire promoting properties: not fire-propagating

Vapour pressure: approx. 23.4 hPa
(20 °C)

Information applies to the solvent.

Density: approx. 1.07 g/cm³
(20 °C)

Relative vapour density (air): not determined

Solubility in water: dispersible

Partitioning coefficient n-octanol/water (log Pow): not applicable

Viscosity, dynamic: 20 mPa.s
(20 °C, 100 1/s)

Other Information:
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.
BASF Safety data sheet

Date / Revised: 21.03.2014

Product: **TERMIDOR® RESIDUAL TERMICIDE AND INSECTICIDE**

Classified as hazardous according to criteria of NOHSC

Thermal decomposition: not determined

Substances to avoid:
strong bases, strong acids, strong oxidizing agents

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.

11. Toxicological Information

**Acute toxicity**

Assessment of acute toxicity:
Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Of moderate toxicity after single ingestion. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

LD50 rat (oral): 300 - 2,000 mg/kg

LC50 rat (by inhalation): > 1.7 mg/l 4 h
Highest concentration available for testing. No mortality was observed. An aerosol was tested.

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

**Irritation**

Assessment of irritating effects:
Not irritating to the skin. Not irritating to the eyes. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

**Sensitization**

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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

**Repeated dose toxicity**

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.
Information on: Fipronil
Assessment of repeated dose toxicity:
Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.

Genetic toxicity

Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil
Assessment of carcinogenicity:
In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counterpart. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

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

Developmental toxicity

Assessment of teratogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Other relevant toxicity information

Misuse can be harmful to health.

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

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Information on: Fipronil
Toxicity to fish:
LC50 (96 h) 0.0852 mg/l, Lepomis macrochirus

Information on: Fipronil
Aquatic invertebrates:
EC50 (48 h) 0.19 mg/l, Daphnia magna
LC50 (10 d) 0.00043 mg/l, aquatic arthropod

Information on: fipronil
Aquatic plants:
EC50 (96 h) 0.068 mg/l (biomass), Scenedesmus subspicatus

**Mobility**

Assessment transport between environmental compartments:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: fipronil
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

**Persistence and degradability**

Assessment biodegradation and elimination (H2O):
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Fipronil
Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

**Bioaccumulation potential**

Assessment bioaccumulation potential:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: fipronil
Bioaccumulation potential:
Bioconcentration factor: 321, Lepomis macrochirus
Accumulation in organisms is not to be expected.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Must be disposed of 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:
- Hazard class: 9
- Packing group: III
- ID number: UN 3082
- Hazard label: 9, EHSM
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL)

Further information
Hazchem Code: 3Z
IERG Number: 47

Sea transport
IMDG
- Hazard class: 9
- Packing group: III
- ID number: UN 3082
- Hazard label: 9, EHSM
- Marine pollutant: YES
- Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL)

Air transport
IATA/ICAO
- Hazard class: 9
- Packing group: III
- ID number: UN 3082
- Hazard label: 9, EHSM
Product: **TERMIDOR® RESIDUAL TERMITCIDE AND INSECTICIDE**

Classified as hazardous according to criteria of NOHSC

Proper shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL)**

Further information

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 Kg or 500 L.

15. Regulatory Information

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) (Australia):**

Poisons Schedule: Drugs & Poisons, Schedule 5

Hazard symbol(s)

- **Xn** Harmful.
- **N** Dangerous for the environment.

R-phrase(s)

- **R22** Harmful if swallowed.
- **R48/22** Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

- **S2** Keep out of the reach of children.
- **S13** Keep away from food, drink and animal feeding stuffs.
- **S20/21** When using do not eat, drink or smoke.
- **S29** Do not empty into drains.
- **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.

Hazard determining component(s) for labelling: **FIPRONIL**

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)

Registration status:

- **AICS, AU** released / exempt
- **APVMA 54624**
16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in section 3:

T  Toxic.
N  Dangerous for the environment.
23/24/25  Toxic by inhalation, in contact with skin and if swallowed.
48/25  Toxic: danger of serious damage to health by prolonged exposure if swallowed.
50/53  Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.