



The Chemical Company

Safety data sheet

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BASF Safety data sheet according to 91/155/EEC
Date / Revised: 25.05.2005
Product: **TERMIDOR**

Version: 2.0

350 13 I
(30355115/SDS_CPA_EU/EN)

Date of print 02.02.2010

1. Substance/preparation and company identification

TERMIDOR

Use: crop protection product, insecticide

Company:

BASF SE
67056 Ludwigshafen
GERMANY
Operating Division Crop Protection
Telephone: +49 621 60-27777
Telefax number: +49 621 60-27125
E-mail address: Produktinformation-Pflanzenschutz@basf.com

Emergency information:

International emergency number:
Telephone: +49 180 2273-112

2. Composition/information on ingredients

Chemical nature

Hazardous ingredients

Fipronil

Content (WW): 2.9 %
CAS Number: 120068-37-3
Hazard symbol(s): T, N
R-phrases: 23/24/25, 48/25, 50/53

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tributyl phosphate

Content (W/W): $\geq 11\%$ - $\leq 12.4\%$
CAS Number: 126-73-8
EC-Number: 204-800-2
INDEX-Number: 015-014-00-2
Hazard symbol(s): Xn
R-phrases: 22, 38, 40

Dispersing agent-preparation

Content (W/W): $\geq 9.9\%$ - $\leq 11.1\%$
Hazard symbol(s): Xi
R-phrases: 10, 36/38

calcium dodecyl benzene sulfonate in isobutanol

Content (W/W): $\geq 1\%$ - $\leq 1.4\%$
Hazard symbol(s): Xi
R-phrases: 10, 37/38, 41, 67

Distillates (petroleum), hydrotreated ligh

Content (W/W): $\geq 71.9\%$ - $\leq 75.5\%$
CAS Number: 64742-47-8
EC-Number: 265-149-8
INDEX-Number: 649-422-00-2
Hazard symbol(s): Xn
R-phrases: 65

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

3. Hazard identification

Irritating to skin.
Limited evidence of a carcinogenic effect.
Harmful: danger of serious damage to health by prolonged exposure if swallowed.
Harmful: may cause lung damage if swallowed.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

General advice:
Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur:
Obtain medical attention. Show container, label and/or safety data sheet to physician.

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

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On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:

water spray, water fog, carbon dioxide, foam

Specific hazards:

carbon monoxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, sulfur oxides, organochloric compounds

The substances/groups of substances mentioned can be released in case of fire.

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, 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. Remove contaminated clothes, undergarments and shoes immediately.

Environmental precautions:

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

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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.
Cleaning operations should be carried out only while wearing breathing apparatus. 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.

Protection against fire and explosion:

The product is combustible. Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Breathing protection if gases/vapours are formed. Wear respiratory protection if ventilation is inadequate. Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

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), polyvinylchloride (0.7 mm) and other

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Eye protection:
Tightly fitting safety goggles (splash goggles) (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 DIN-EN 465).

General safety and hygiene measures:
Take off immediately all contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and chemical properties

Form:	liquid
Colour:	colourless to yellowish
pH value:	3.1 - 3.3 (1 %(m))
Flash point:	80 °C
Density:	0.856 g/cm ³ (20 °C)
Solubility in water:	emulsifiable

10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
No substances known that should be avoided.

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

LD50/oral/rat/male/female: > 2,000 mg/kg

LC50/by inhalation/rat/male/female: > 5.03 mg/l / 4 h

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LD50/dermal/rat/male/female: > 2,000 mg/kg

Primary skin irritation/rabbit: Irritant.

Primary irritations of the mucous membrane/rabbit: non-irritant

Sensitization/guinea pig: Skin sensitizing effects were not observed in animal studies.

Additional information:

Misuse can be harmful to health.

12. Ecological information

Ecotoxicity

Toxicity to fish:

Oncorhynchus mykiss/LC50 (96 h): 3.76 mg/l

Aquatic invertebrates:

Daphnia magna/EC50 (48 h): 0.06 mg/l

Information on: *Fipronil*

Aquatic plants:

Scenedesmus subspicatus/EC50 (72 h): 0.068 mg/l

Persistence and degradability

Elimination information

Evaluation: Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

13. Disposal considerations

Must be dumped 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.

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14. Transport information

Land transport

ADR	: Class	9
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: FIPRONIL 3%)

RID	: Class	9
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: FIPRONIL 3%)

Inland waterway transport

ADNR	: Class	9
	Packaging group	III
	UN-number	3082
	Designation of goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains: FIPRONIL 3%)

Sea transport

IMDG/GGVSee	: Class	9
	Packaging group	III
	UN-number	3082
	Marine pollutant	YES
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL 3%)

Air transport

ICAO/IATA	: Class	9
	Packaging group	III
	UN-number	3082
	Exact technical name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FIPRONIL 3%)

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15. Regulatory information

Regulations of the European union (Labelling) / National legislation/Regulations

EEC Directives:

Hazard symbol(s)

Xn Harmful.
 N Dangerous for the environment.

R-phrases(s)

R38 Irritating to skin.
 R40 Limited evidence of a carcinogenic effect.
 R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
 R65 Harmful: may cause lung damage if swallowed.
 R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(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.
 S35 This material and its container must be disposed of in a safe way.
 S36/37 Wear suitable protective clothing and gloves.
 S57 Use appropriate container to avoid environmental contamination.
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Hazard determinant component(s) for labelling: FIPRONIL, TRIBUTYLPHOSPHATE, KEROSENE (PETROLEUM)

Other regulations

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

T Toxic.
 N Dangerous for the environment.
 Xn Harmful.
 Xi Irritant.
 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.
 22 Harmful if swallowed.

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38	Irritating to skin.
40	Limited evidence of a carcinogenic effect.
10	Flammable.
36/38	Irritating to eyes and skin.
37/38	Irritating to respiratory system and skin.
41	Risk of serious damage to eyes.
67	Vapours may cause drowsiness and dizziness.
65	Harmful: may cause lung damage if swallowed.

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.