

**TERMIDOR® SC TERMITICIDE/INSECTICIDE**

MSDS Version 2.4

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	TERMIDOR® SC TERMITICIDE/INSECTICIDE
Chemical Name	FIPRONIL: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3 -carbonitrile
Synonym	
MSDS Number	214
Chemical Family	
Chemical Formulation	C12H4Cl2F6N4OS
EPA Registration No.	432-901
Canadian Registrat. No.	

Bayer Environmental Science
 95 Chestnut Ridge Road
 Montvale, NJ 07645
 USA

For Product Use Information: (800)331-2867 Monday through Friday(CRLF) 8:00AM-4:30PM(CRLF) For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day(CRLF)
 For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
FIPRONIL	120068-37-3	9.1000	
Inert ingredients		90.9000	

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 00000000214

MSDS Version 2.4

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview

Caution. Keep out of the reach of children. Hazard to humans and domestic animals. Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. This pesticide is toxic to birds, fish and aquatic invertebrates.

Physical State

liquid viscous

Odor

odorless

Appearance

light brown

Immediate Effects

Eye

Causes eye irritation. May cause redness, tearing. Do not get in eyes.

Skin

Harmful if absorbed through the skin. Do not get on skin or clothing. May produce symptoms similar to those from ingestion. May cause irritation, redness, swelling.

Ingestion

Harmful if ingested. May cause shortness of breath, drowsiness, involuntary shaking, muscle weakness, convulsions.

Inhalation

Harmful if inhaled. Avoid breathing spray mist. May produce symptoms similar to those from ingestion. May cause shortness of breath, excitement, involuntary shaking, irritability.

Chronic or Delayed Long-Term

This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Medical Conditions Aggravated by Exposure

Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis.

SECTION 4. FIRST AID MEASURES

Eye

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

Immediately call a poison control center or doctor for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Material Safety Data Sheet

MSDS Number: 00000000214

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Version 2.4

Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Note to Physician	<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.</p> <p>In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possibly convulsions, may occur.</p> <p>TREATMENT FOR FIPRONIL OVERDOSE: Recommendations for treatment are based on anticonvulsant therapy as routinely administered to humans. Phenobarbital or diazepam may be useful in controlling convulsions induced by Fipronil.</p> <p>Even when symptoms of Fipronil intoxication are rapidly reversed by treatment, the treatment must be continued for several days, gradually decreasing the dose of anticonvulsant based on the patients clinical response. This is necessary due to the slow elimination of the compound.</p>

SECTION 5. FIRE FIGHTING MEASURES

Flash Point	> 93 °C / > 199 °F Method: Closed Cup Flammability Class: WILL BURN.
Lower Flammable Limit	Data
Upper Flammable Limit	No Data.
Fire and Explosion Hazards	Containers may explode (due to the build-up of pressure) when exposed to extreme heat.
Suitable Extinguishing Media	foam, water spray, carbon dioxide (CO2), dry chemical
Fire Fighting Instructions	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residents who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 00000000214

MSDS Version 2.4

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal Wear appropriate gear for the situation. See Personal Protection information in Section 8.

Land Spill or Leaks Containment of Spill: Stop leak if it can be done without risk.

In case of minor spills or leaks, soak up with sand, earth or other suitable material and dispose of wastes and broken or empty containers in a landfill approved for pesticide use.

SECTION 7. HANDLING AND STORAGE

Handling Procedures Do not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest.

Storing Procedures Do not contaminate water, food, or feed by storage or disposal.

Store in original container. Keep out of reach of children and domestic animals. Keep away from direct sunlight. Store in cool place. Store in an area that is away from ignition sources. Store in an area away from food, feedstuffs, fertilizers, seed and water sources. Store in tightly closed containers.

Work/Hygienic Procedures Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove contaminated clothing. Then wash body thoroughly with soap and water and put on clean clothing. Wash clothing with detergent and hot water before reusing.

Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. Wash PPE before reusing.

Min/Max Storage Temperatures Not available

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 00000000214
MSDS Version 2.4

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Where engineering controls are indicated by use conditions of a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.
Eye/Face Protection	All pesticide handlers must wear protective eyewear (goggles, a faceshield, or safety glasses with front, brow, and temple protection) when working in a non-ventilated space, including but not limited to crawl-spaces and basements or when applying termiticide by rodding or sub-slab injection.
Body Protection	Applicators and other handlers must wear: Long-sleeved shirt and long pants shoes plus socks chemical-resistant gloves
Respiratory Protection	<p>All pesticide handlers must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P, or HE filter when working in a non-ventilated space, including but not limited to crawl-spaces and basements.</p> <p>Under conditions immediately dangerous to life or health, or emergency conditions with unknown concentrations, use a full-face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self-contained breathing apparatus unit.</p>
General Protection	<p>These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.</p> <p>Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.</p>
Exposure Limits	None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	light brown
Physical State	liquid viscous
Odor	odorless

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 00000000214

MSDS Version 2.4

pH	7.2 at 1 wt/wt%
Vapor Pressure	Not available
Vapor Density (air = 1)	Not available
Specific Gravity	1.24 at 25 °C
Boiling Point	Not available
Melting/Freezing Point	Not available
Solubility (in water)	dispersible
Viscosity	300 to 400 cps 24 °C
Other Information	Physical and Chemical properties here represent typical properties of this product.

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability	This material is stable under normal handling and storage conditions described in Section 7.
Conditions to Avoid	direct sunlight extreme heat spark open flame
Incompatibility	strong bases strong acids strong oxidizing agents
Hazardous Products of Decomposition	Decomposition Type: thermal hydrogen fluoride oxides of nitrogen oxides of sulfur carbon oxides hydrochloric acid

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 000000000214

MSDS Version 2.4

**Hazardous Polymerization
(Conditions to avoid)** Will Not Occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity Rat: LD50: > 1,999 mg/kg

Acute Dermal Toxicity Rabbit: LD50: > 2,000 mg/kg

Acute Inhalation Toxicity Rat: LC50: > 1.7 mg/l 4 h

Acute Respiratory Irritation:
No data found for product

Skin Irritation Rabbit: Slightly irritating

Eye Irritation Rabbit: Mildly irritating.

Sensitization Guinea pig: Non-sensitizing

Assessment Carcinogenicity

ACGIH
None

NTP
None

IARC
None

OSHA
None

SECTION 12. ECOLOGICAL INFORMATION

Acute and Prolonged Toxicity to Fish Data for a similar product.
Bluegill sunfish
LC50: 85 ug/l
Exposure Time: 96 h
Mean concentration. Flow through.

Data for a similar product.
Rainbow trout
LC50: 248 ug/l
Exposure Time: 96 h
Mean concentration. Flow through.

Acute Toxicity to Aquatic Invertebrates Data for a similar product.
Daphnia
EC50: 190 ug/l

Material Safety Data Sheet

MSDS Number: 00000000214
MSDS Version 2.4

TERMIDOR® SC TERMITICIDE/INSECTICIDE

Exposure Limit: 48 h
Mean concentration. Flow through.

Toxicity Other Non Mammal Terr. Species

Data for a similar product.
Mallard duck
LC50: > 5,000 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentration.

Data for a similar product.
Bobwhite quail
LC50: 48 mg/kg
Exposure Time: 8 d
Dietary concentrations. Mean concentration.

Environmental Precautions

This pesticide is toxic to birds, fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care must be taken to avoid runoff. Do not contaminate water by cleaning equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters.

Environmental Fate

For chemical fate data call the product information phone number listed in Section 1.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

EPA HAZARDOUS WASTE - NO

RCRA Classification

Not Regulated under this Statute

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 00000000214

MSDS Version 2.4

SECTION 14. TRANSPORT INFORMATION

Proper Shipping Name: Not regulated for transportation.

SECTION 15. REGULATORY INFORMATION

US Federal

EPA Registration No. 432-901

TSCA list

None

TSCA 12b export notification

None

SARA Title III - section 302 - notification and information

None

SARA Title III - section 313 - toxic chemical release reporting

None

US States Regulatory

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State right-to-know ingredients

None

Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

None

Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

International Regulations

EU Classification

None

European Inventory of Existing Commercial Substances (EINECS)

None

Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 000000000214

MSDS Version 2.4

SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS	2	1	0	
NFPA	2	1	0	

REVISED SECTIONS:

MSDS REVISED INDICATOR: Company name change.

Print Date: 01/30/2003

Supersedes MSDS, which is older than: 01/30/2003

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