



Material Safety Data Sheet

TERMIDOR® SC TERMITICIDE/INSECTICIDE

MSDS Number: 214
MSDS Version 2.2

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.

Aventis
95 Chestnut Ridge Road
Montvale, NJ 07645
USA

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

SECTION 3. HAZARDS IDENTIFICATION

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

Emergency Overview HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN!
CAUSES EYE IRRITATION. THIS PRODUCT IS TOXIC TO BIRDS, FISH, AND
AQUATIC INVERTEBRATES.

Physical State liquid

Odor Odorless.

Appearance A light brown viscous liquid.

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.

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Ingestion	Harmful if ingested. May cause shortness of breath, drowsiness, involuntary shaking, muscle weakness, convulsions.
Inhalation	Harmful if inhaled. Do not breathe 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 substances that are considered by OSHA, NTP, IARC, or ACGIH to be probable or suspected human carcinogens (see Section 11 - Toxicological Information).
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	Flush eye with plenty of water. Call a physician if irritation persists.
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	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or 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>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 patient's 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 Flammability Class: WILL BURN. METHOD USED: Closed Cup
Lower Flammable Limit	Data
Upper Flammable Limit	No Data.

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Fire and Explosion Hazards	Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
Suitable Extinguishing Media	Foam, Water Spray, Carbon Dioxide, 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General and Disposal	<p>EVACUATION PROCEDURES AND SAFETY: Wear appropriate protective gear for the situation. See Personal Protection Information in Section 8.</p> <p>CLEANUP & DISPOSAL OF SPILL: Pump any free liquid into an appropriate closed container (see Section 7: Handling and Storage). Recover as much liquid product as possible. Absorb with an inert absorbent. Wash spill site with a 2-5% caustic soda (sodium hydroxide) solution.</p> <p>If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal (see Section 7: Handling and Storage). Decontaminate tools and equipment following cleanup. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies. Collect washings for disposal. Ventilate area.</p> <p>Note: Caustic soda (sodium hydroxide) in contact with certain metals will produce hydrogen gas, which is undesirable in an enclosed space. An alternative is 1 part sodium hypochlorite to 9 parts water and left in contact with the spill for ten minutes prior to mopping or shoveling up the residue.</p>
Land Spill or Leaks	<p>CONTAINMENT OF SPILL: Stop leak if it can be done so without risk. Follow procedures described under Cleanup and Disposal of Spill.</p>

SECTION 7. HANDLING AND STORAGE

Handling Procedures	<p>Do not breathe vapors or spray mists. Do not get on skin, in eyes or on clothing. Do not ingest.</p>
Storing Procedures	<p>Do not contaminate water, food, or feed by storage or disposal. Store unused product in original container only, out of reach of children and animals. Keep out of direct sunlight. Store in an area that is cool, away from ignition sources, away from food, feedstuffs, fertilizers, seed, and water sources.</p>

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Store in closed containers.

Work/Hygienic Procedures

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.
- (4) 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. Contaminated clothing should not be taken home or laundered with other clothing.
- (5) Remove PPE immediately after handling this product. Wash outside of gloves before removing. Wash PPE before reusing.

Min/Max Storage Temperatures

Not available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Where engineering controls are indicated by use conditions or 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.

Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

Body Protection

All pesticide handlers (mixers, loaders, and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

Respiratory Protection

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.

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.

General Protection

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety

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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.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure Limits None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	A light brown viscous liquid.
Physical State	liquid
Odor	Odorless.
pH	7.2 at 1 wt/wt%
Vapor Pressure	Not available
Vapor Density (air = 1)	Not available
Specific Gravity	1.24(77°F) 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 TYPE: Thermal

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Decomposition Hydrogen Flouride.
Oxides of Nitrogen.
Oxides of Sulfur.
Oxides of Carbon.
Hydrochloric Acid.

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

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SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions This pesticide is toxic to birds, fish, and aquatic invertebrates. Do not apply directly to water, or 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 wastes. Do not contaminate water when disposing of equipment washwaters.

Ecological Information The following data is for similar or related products.

Mallard duck (*Anas platyrhynchos*).
LC50 > 5,000 mg/kg/8 days. Dietary concentrations. Mean concentration.

Bobwhite quail (*Colinus virginianus*).
LC50 - 48 mg/kg/8 days. Dietary concentrations. Mean concentration.

Daphnia magna.
EC50 - 190 ug/1/48 hr. Mean concentration. Flow through.

Bluegill sunfish (*Lepomis macrochirus*).
LC50 - 85 ug/1/96 hr. Mean concentration. Flow through.

Rainbow trout (*Oncorhynchus mykiss*).
LC50 - 248 ug/1/96 hr. Mean concentration. Flow through.

Environmental Fate For chemical fate data call the product use information phone number listed on the bottom of each page.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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 or local authorities, by burning. If burned, stay out of smoke. Consult state and local regulations regarding the proper disposal of container.

EPA HAZARDOUS WASTE: No

SECTION 14. TRANSPORT INFORMATION

Proper Shipping Name: Not regulated for transportation.

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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 contains a chemical known to the state of California to cause cancer.

None

This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

None

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

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SECTION 16. OTHER INFORMATION

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

REVISED SECTIONS:

MSDS REVISED INDICATOR: New Format

PREPARED BY: Dept. of Regulatory Affairs.

PHONE: 800-438-5837

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