

**Material Safety Data Sheet**



CORPORATE HEADQUARTERS  
9130 South Dadeland Boulevard  
Suite 1607, Two Datan Center  
Miami, Fl 33156-78513.USA

**FLIP®800 DF**

Date of Preparation: 04/27/01

**MSDS No. 005**

Date of review: April 09, 2008

**CHEMTEL Emergency Phone number: 800-255-3924. - For International shipments: 813-248-0585**

# **FLIP® 800 DF**

**Fipronil Termiticide-Insecticide**

**MSDS**

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## Product Identification

**Product Name:** FLIP® 800 DF  
**Chemical Name:** Fipronil  
**Chemical Formulation:** C<sub>12</sub>H<sub>4</sub>C<sub>12</sub>F<sub>6</sub>N<sub>4</sub>O<sub>5</sub>  
**General Use:** Insecticide

## Composition / Information on Ingredients

Ingredient	CAS #	OSHA HAZARD	Concentration %
Fipronil	120068-37-3	Y	80.00 %
Other ingredients		X	20.00 %

## Physical Data

**Boiling Point:** N/A  
**Melting Point:** 200°C  
**Freezing Point:** N/A  
**Specific Gravity (25° C):** N/A  
**Vapor Pressure (@ 20° C):** Not available  
**Appearance and Odor:** brown powder solid, slight odor  
**Octanol /Water Partition Coefficient:** N/A  
**Vapor Density:** N/A  
**Evaporation Rate:** N/A  
**Solubility in Water:** Dispersible  
**pH:** 5.63 at 1 wt./wt%.  
**Molecular weight:** 437.15

## Fire & Explosion Data

**Flash Point (Method):** Not flammable  
**Flammable Limits (Vol. % en air):** Not flammable  
**Auto ignition temperature:** >140°C  
**Extinguishing Media:** Use agents appropriate for surrounding fire. Use water spray, foam, dry chemicals, carbon dioxide, or other extinguishing media as appropriate for surrounding fire.  
**Special Firefighting Procedures :** Wear full protective clothing.  
**Unusual Fire and Explosion Hazards:** Product will burn under fire condition. Under fire conditions, toxic, corrosive fumes are emitted.

## Reactivity Hazard Data

**Stability:** Stable at normal handling and storage conditions  
**Conditions to avoid:** Direct sunlight, extreme heat..  
**Incompatibility:** Reacts with strong acids, strong bases and strong oxidizing agents.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** at 240°C decomposition type: thermal hydrogen fluoride, oxides of nitrogen, oxides of sulfur, carbon oxides, hydrochloric acid.

## Health Hazard Data

**Inhalation: Harmful:** May be harmful if inhaled. May produce symptoms similar to those from ingestion. May cause shortness of breath, excitement, involuntary shaking, convulsions, and irritability. Use appropriate respiratory protection.  
**Eye Contact:** Will cause eye irritation, redness, tearing.  
**Skin Contact:** May be fatal if absorbed through skin. May produce symptoms similar to those from ingestion.  
**Ingestion:** May be fatal if swallowed. May cause shortness of breath, involuntary shaking, convulsions, and irritability.  
**Chronic Effects of Overexposure:** This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.  
**Other Toxic Effects :**  
**LD50:** Acute Oral toxicity in rats is 296mg/Kg; Acute Dermal toxicity in rabbits is 374 mg/Hg.

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## Emergency and First Aid Procedures

**Ingestion:** Never give anything by mouth to an unconscious person. Do not induce vomiting. Give large quantities of water or milk. Seek medical attention.

**Skin Contact :** Wash with soap and water. Remove contaminated clothing. Wash clothing before reuse.

**Eye Contact :** Immediately flush eyes with water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek physician immediately.

**Inhalation:** Remove to fresh air. Consult physician. If not breathing, give artificial respiration.

**Note to Physician:** Treat symptomatically and supportively. No specific antidote available.

## Special Protection Information

**Protective clothing :** Butyl Rubber or PVC gloves.

**Eye Protection:** Use appropriate ANSI z87 approved equipment. Eye contact should be prevented through use of chemical goggles or safety glasses with side shields.

**Ventilation :** Mechanical.

**Respiratory Protection :** Use NIOSH/MSHA approved dust respirator if ventilation is not sufficient..

**Other:** Eye wash, neoprene protective type apron.

## Spill or Leak Procedures

**Steps to be Taken in Case Material is released or Spilled:** Wear suitable protective clothing. Sweep up excess. Wash thoroughly with water. Do not flush to drain. If spilled on the ground, area affected should be scraped clean and placed in an appropriate container for disposal.

**Waste Disposal Methods:** Dispose of in accordance with all applicable federal, state and local regulations.

## Special Precautions

**Precautions to be Taken in Case Material is Handling and Storing :** Store in original, sealed container in cool, ventilated area. Protect from freezing or overheating. Avoid open flames and sparks. Keep in secured area, away from children and unauthorized people.

## Additional Regulatory Information

**DOT Hazard Class:** Not regulated.

**Hazardous Substance:** Please include in B/L following description: "Pesticides,solid, toxic,N.O.S.(Fipronil),6.1,.U.N.2588,PG III, Via water add :“Marine pollutant”

**EPA SARA Title III Data:** Regulated. (EPCRA 311/312). This product does not contain toxic chemicals listed on SARA Section 313 Community Right to Know or Toxic release Inventory. All components of this product are listed on the TSCA inventory.

## Other Information

**Prepared by:**

**Revision Notes:**

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