



Section 1. Product and Company Identification

Product Name Fipronil
CAS Number 120068-37-3

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Not classified as a hazardous substance or mixture

GHS Label Elements
Pictograms: N/A
Signal word: N/A

Hazard and precautionary statements
None

May irritate eyes and skin. Not flammable. Not Classified as hazardous.

Section 3. Composition / Information on Ingredients

Common Name Fipronil
Synonym(s) 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile
Formula $C_{12}H_4Cl_2F_6N_4OS$
CAS Number 120068-37-3

COMPONENT	CAS NUMBER	CONCENTRATION
Fipronil	120068-37-3	TABLE

Section 4. First Aid Measures

First Aid Measures: If poisoning occurs, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to a doctor.
Swallowed: If swallowed, immediately contact a doctor or Poisons Information Centre, and follow the advice given. Keep under medical supervision
Eye: Rinse immediately with clean water, including under eyelids, for at least 15 minutes and obtain medical advice.



Skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water.

Inhaled: If inhaled, remove to fresh air and obtain medical advice

Section 5. Firefighting Measures

Firefighting Measures

Firefighting Procedures: Firefighters should wear full protective gear, including self-contained breathing apparatus. If possible and without risk, remove intact containers from exposure to fire.

Otherwise, spray unopened containers with water to keep cool.

Whenever possible, contain fire-fighting water by bundling area with sand or earth to prevent it entering any bodies of water.

Extinguishing Media: Carbon dioxide, water spray, dry agent, foam.

Stability and Reactivity: Stable under normal conditions of use. No dangerous reaction known under normal conditions of use. Avoid extreme heat and fire. Toxic thermal decomposition products may include oxides of carbon, sulphur and nitrogen and compounds of chlorine and fluorine

Section 6. Accidental Release Measures

Accidental Release Measures: Dealing with spills and disposal may result in the potential for increased personal exposure. During such operations it is recommended that the following protective clothing is worn: Cotton overalls buttoned to the neck and wrist Waterproof gloves Contain spill, sweep up or shovel and place in properly labelled sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority.

Section 7. Handling and Storage

Handling and Storage: Handling: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Storage: Store in the closed original container in a cool, well ventilated, locked place out of the reach of children. Do not store in direct sunlight.

Section 8. Exposure Controls / Personal Protection

Exposure Controls/Personal Protection

Exposure standards: No occupational exposure standards have been established for the product or its ingredients.

Engineering controls: Control process conditions to avoid contact.

Personal Protective Equipment

Eyes: Not normally required. Avoid touching eyes while handling product.

Clothing: Avoid skin contact; full-length work clothes should be worn when using this product.

Gloves: Avoid contact with skin; wear waterproof gloves.

Respiratory: Not required

Section 9. Physical and Chemical Properties

Physical and Chemical Properties

Appearance: White or off-white powder

pH: 5.5 - 8.0

Melting point: 201°C

Vapor pressure: 3.7×10^{-4} mPa(25°C)

Solubility: 2 mg in water

Section 10. Stability and Reactivity

Stability and Reactivity

Chemical stability: Stable under normal conditions of use. No dangerous reaction known under normal conditions.

Hazardous polymerization: None

Conditions to avoid: Extreme heat and fire

Incompatible materials: None known

Hazardous decomposition products: Thermal decomposition may produce toxic by-products of carbon and nitrogen

Section 11. Toxicological Information

Toxicological Information

Acute oral LD50 (rat): 97 mg/kg

Acute dermal LD50 (rat): > 2000 mg/kg

Acute Inhalation LC50 (rat): 0.682 mg/l

Skin irritation: Not irritating to rabbit skin

Eye irritation: Not irritating to rabbit eyes

Skin Sensitization: Non-sensitive (Guinea Pig)

Section 12. Ecological Information

Ecological and Ecotoxicological Information

Rainbow trout: LC50 (96h): 0.24mg/L

Daphnia: LC50 (48h): 0.19 mg/L

Bobwhite Quail: LD50 (8d): 49mg/kg

Mallard duck: LD50: > 2000mg/kg

Honeybees: Not toxic to honeybees



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not Applicable

Section 15. Regulatory Information

Not Applicable

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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