

## Fentacat F50 catalyst CAS122695-73-9 Solvay

Fentacat 50 is a broad-spectrum insecticide used to control a wide variety of insects, including ants, cockroaches, spiders, and bed bugs. It is a fast-acting insecticide that kills insects on contact. Fentacat 50 is also a long-acting insecticide, providing residue control for up to 6 months.

### Product Overview

Product name: Fender 50

Active Ingredient: Fipronil

Concentration: 50%

Recipe: Ready-to-use liquid

Target pests: ants, cockroaches, spiders, bed bugs

How it works: Contact and ingestion

Duration of residual activity: up to 6 months

### Physical and chemical properties

- CAS Number: 122695-73-9
- Molecular formula: C<sub>18</sub>H<sub>19</sub>F<sub>3</sub>NO<sub>3</sub>

- Molecular weight: 331.35 g/mol
- Density: 1.14 g/cm<sup>3</sup>
- Flash point: 100°C
- Solubility in water: 0.0005%
- Organic solvent solubility: Soluble in most organic solvents

### Application

Fentacat 50 can be used to control a variety of insects both indoors and outdoors. It can be used as a topical treatment, crack and gap treatment, or as a perimeter spray.

### Pros

- Quick action
- Durable
- Effective against a wide variety of insects
- Easy to use
- Safe to use around children and pets

### Method of manufacture

Fentacat 50 is manufactured through a process called emulsion polymerization. In this process, the active ingredient fipronil is dissolved in a water-based emulsion. The emulsion is then sprayed onto a substrate, such as a sheet of paper or plastic. Fipronil is then released from the emulsion and kills insects that come into contact with it.

### Precautions for use

- Keep out of reach of children and pets.
- Do not apply to food or feed.
- Does not apply to plants that will be eaten.
- Does not apply to areas where humans or animals will be present for more than 2 hours.
- Wash your hands thoroughly after use.

### Storage

Fentacat 50 should be stored in a cool, dry place. It should be stored in an airtight container to prevent evaporation.



**Shelf life:**

Remain unopened for two years

**Storage and Transportation:**

Should be sealed, stored in a dry cool ventilated warehouse

**Packing:**

200KG/ barrel storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing.

Practice good hygiene.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**