

**MATERIAL SAFETY DATA SHEET****ROACHBAIT (Fipronil 0.05%)****1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER**

**PRODUCT NAME** : ROACHBAIT  
**CHEMICAL GROUP** : Fipronil 0.05% Gel  
**RECOMMENDED USE** : Household Insecticide for cockroach control  
**MOLICULAR FORMULA** :  $C_{12}H_4C_{12}F_6N_4OS$   
**CORPORATE ADDRESS** : Arbuda Agrochemicals Pvt. Ltd.  
1104, Ruby Crescent Business Boulevard,  
Ashok Chakravarti Road, Kandivali-East, Mumbai-400101,  
Maharashtra, India Customer Care No- +91 9076907642  
Email - [info@arbudaagrochemicals.com](mailto:info@arbudaagrochemicals.com)  
**MANUFACTURER ADDRESS** : Arbuda Agrochemicals Pvt Ltd  
Plot No-281-283, GIDC, Taluka -Talod  
District- Sabarkantha, Gujarat - 383215

**2. COMPOSITION / INFORMATION ON INGREDIENTS****Components contributing to hazard:**

**Ingredient** : FIPRONIL GEL  
**Registration No.** : CIR-131100/2015-Fipronil (Gel) (354)-647  
**Average % by Weight** : 0.05%

**3. HAZARDS IDENTIFICATION****Emergency Overview:**

Caution! Keep exposed gel away from open food and food contact surfaces. Harmful if absorbed through skin. Moderate eye irritation. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after Handling. Hazardous to marine and aquatic life.

**Physical State** : GEL  
**Appearance** : Brown  
**Routes of Exposure** : Eye Contact, Skin Absorption, Skin Contact, Ingestion

**Immediate effects eye**

Avoid contact with eyes. Moderately irritating to the eyes following prolonged direct contact.

**Skin**

Avoid contact with skin, eyes and clothing. Harmful if absorbed through skin. Moderately irritating to skin following prolonged direct contact.

**Ingestion**

Do not take internally.

**Medical Condition Aggravated by Exposure**

No specific medical conditions are known which may be aggravated by exposure to this product.

**4. FIRST AID MEASURES****General**

When possible, have the product container or label with you when calling a poison control centre or doctor or going for treatment.

**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 physician or poison control centre immediately.

**Skin**

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 Minutes. Call a physician or poison control centre immediately.

**Ingestion**

Call a physician or poison control centre immediately. Rinse out mouth and give water in small sips to drink. Do not induce vomiting unless directed to do so by a physician or poison control centre. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

**Inhalation**

Move to fresh air. If person is not breathing, call an ambulance, and then give artificial respiration, preferably mouth-To-mouth if possible. Call a physician or poison control centre immediately.

**NOTE to physician Treatment**

There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's Condition is recommended.

## 5. FIRE FIGHTING MEASURES

**Flash point** : N/A

### **Fire and Explosion Hazard**

In the event of fire the following can be released : Sulphur oxides

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen fluoride

### **Suitable Extinguishing Media**

Dry chemical, Foam, Water, Carbon dioxide (CO<sub>2</sub>)

### **Fire Fighting Instruction**

Keep out of smoke. Fight fire from upwind position. Do not allow run-off from fire fighting to enter drains or Water courses. In the event of fire and/or explosion do not breathe fumes. Fire-fighters should wear approved self-contained Breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated Surfaces.

### **Additional Advice**

Use personal protective equipment. If spilled on the ground, the affected area should be scraped clean and Placed in an appropriate container for disposal.

### **Methods for cleaning up**

Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following clean-up.

## 7. HANDLING AND STORAGE

### **Handling precautions**

Product will stain porous surfaces

### **Storage requirements**

Keep tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children and animals. Protect against heat/overheating. Keep away from direct sunlight.

### **Work/Hygienic Procedures**

Keep away from food, drink and animal feeding stuffs. Wash hands thoroughly with soap and water after handling and before eating, drinking, and chewing gum, using tobacco, using the toilet or applying cosmetics.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### General Protection

Follow all label instructions. Train employees in safe use of the product. Follow manufacturer's instructions for Cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and Wash PPE separately from other laundry.

**ENGINEERING CONTROLS** : Ensure adequate ventilation.

**EYE AND FACE PROTECTION** : Protective eyewear.

**HAND PROTECTION** : Chemical resistant nitrile rubber gloves.

**BODY PROTECTION** : Face Mask , Head Cap, Safety shoes etc. Skin contact should be prevented. Use suitable protective clothing, gloves and footwear, selected with regard to use conditions and exposure potential.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Physical state : Gel  
 Color : Brown  
 Bulk Density : 9.51 lbs/gal

### Conditions to avoid.

Extremes of temperature and direct sunlight.

Exposure to moisture

### Incompatibility

Strong oxidizing agents  
 Strong bases  
 Strong acids

## 10. STABILITY AND INFORMATION

**Reactivity** : Stable under normal conditions.

**Chemical stability** : Stable under recommended storage conditions.

**Possibility of hazardous reactions** : No hazardous reactions when stored and handled according to prescribed instructions.

**Conditions to avoid** : Extremes of temperature and direct sunlight.

**Incompatible materials** : Store only in the original container.

**Hazardous decomposition products** : No decomposition products expected under normal conditions of use.

**11. TOXICO LOGICAL INFORMATION**

Acute toxicity data have been bridged from a similar formulation containing a slightly higher percentage of the active ingredient, Fipronil. The non-acute information pertains to technical-grade active ingredient.

<b>Acute Oral Toxicity</b>	:	Rat: LD50: > 5,000 mg/kg
<b>Acute Dermal Toxicity</b>	:	Rat: LD50: > 2,000 mg/kg
<b>Acute Inhalation Toxicity</b>	:	Rat: LD50: > 2.9 mg/l Exposure time 1hr. Rat LD50: > 11.6 mg/l Exposure time 1hr. Extrapolated from the 4 hrLC50
<b>Skin Irritation</b>	:	Rabbit: Slight Irritation
<b>Eye Irritation</b>	:	Rabbit: No eye irritation.
<b>Sensitization</b>	:	Guinea pig: Non-sensitizing.
<b>Chronic Toxicity</b>	:	Fipronil caused liver, kidney or thyroid effects and/or neurobehavioral effects (e.g., tremors) in chronic toxicity studies in rats and dogs. Fipronil did not induce any microscopic lesions in the neural tissues.
<b>Reproductive &amp; Developmental Toxicity</b>	:	REPRODUCTION: Fipronil was not considered a primary reproductive toxicant in rats. DEVELOPMENTAL TOXICITY: Fipronil was not a developmental toxicant in rats and rabbits.
<b>Neurotoxicity</b>	:	Fipronil caused transient neurobehavioral effects (e.g., tremors) in neurotoxicity studies in rats. Delays in developmental landmarks were observed in rats at maternally toxic doses.
<b>Mutagenicity</b>	:	Fipronil was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**12. ECOLOGICAL INFORMATION**

**Environmental Precautions**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label

**13. DISPOSAL CONSIDERATION****General Disposal Guidance**

It is best to use the entire product in accordance with label directions. If it is necessary to dispose of unused product, please follow Container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain

**Container Disposal**

Do not re-use empty containers. Place empty containers in trash.  
Follow advice on product label and/or leaflet.

**14. TRANSPORT INFORMATION****ADR/RID/AND**

UN number	:	3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (FIPRONIL MIXTURE)
Transport hazard class(es)	:	9
Packaging Group	:	III
Environm. Hazardous Mark	:	YES
Hazard no.	:	90
Hazchem Code	:	2Z
Tunnel Code	:	-

This classification is in principle not valid for carriage by tank vessel on inland waterways.  
Please to the manufacturer for further information

**Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

No transport in bulk according to the IBC Code.

**15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

**Further information**

WHO-classification: III (Slightly hazardous)

**Labeling according to Insecticide Rules 1971 as amended. (INDIA)**



Class II : Highly toxic

Colour : bright yellow Poison!

Keep out of the reach of children.

**16. OTHER INFORMATION**

**Abbreviations and acronyms**

ADN	:	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	:	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	:	Acute toxicity estimate
CAS-Nr	:	Chemical Abstracts Service number
Conc.	:	Concentration
EC-No.	:	European community number
ECx	:	Effective concentration to x %
EINECS	:	European inventory of existing commercial substances
ELINCS	:	European list of notified chemical substances
EN	:	European Standard
EU	:	European Union
IATA	:	International Air Transport Association
IBC	:	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	:	Inhibition concentration to x %
IMDG	:	International Maritime Dangerous Goods

LC <sub>x</sub>	:	Lethal concentration to x %
LD <sub>x</sub>	:	Lethal dose to x %
LOEC/LOEL	:	Lowest observed effect concentration/level
MARPOL	:	International Convention for the prevention of marine pollution from ships
N.O.S.	:	Not otherwise specified
NOEC/NOEL	:	No observed effect concentration/level
OECD	:	Organization for Economic Co-operation and Development
RID	:	Regulations concerning the International Carriage of Dangerous Goods by Rail
TWA	:	Time weighted average

**MSDS PREPARATION DATE**      **01/03/2024**

**REVISION DATE**                      **28/02/2026**

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment or work risk as required by other health and safety legislation.