



H.O. : 101 / 102, Kanchanganga, Factory Lane, Borivli (West), Mumbai - 400 092, INDIA.

Tel. : 91-22-2898 2133 / 44, 2898 7912 / 14, 2898 4439 / Fax : 91-22-2899 3948 Website : www.heranba.com

Marketing Office : 201/202, Dwarkesh, Above Tribhuvandas Bhimji Jhaveri, L. T. Road, Borivli (W), Mumbai - 400 092, INDIA.

Tel. : 91-22-2833 8443 / 44 / Fax : 91-22-2833 8445 / e-mail : heranba@vsnl.com

MATERIAL SAFETY DATA SHEET

FIPRONIL 0.05% GEL

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FIPRONIL 0.05 % GEL

PRODUCT DESCRIPTION: Insecticide

COMPANY ADDRESS: Heranba Industries Limited, 101/102 Kanchanganga, Factory Lane, Borivali (West), Mumbai, India

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	(% w/w)
Fipronil	120068-37-3	0.05
Other ingredients	-	QS

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.

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 Conditions 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 center 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 center 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 center immediately.



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Ingestion Call a physician or poison control center 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 center. 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 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

Notes 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: Not applicable

Fire and Explosion Hazards

In the event of fire the following can be released:

Sulphur oxides

Nitrogen oxides (NOx)

Hydrogen fluoride

Suitable Extinguishing Media

Dry chemical, Foam, Water, Carbon dioxide (CO₂)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods for Cleaning Up: Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup.

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.

7. HANDLING AND STORAGE

Handling Procedures: Product will stain porous surfaces.

Storing Procedures: 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.



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Wash hands thoroughly with soap and water after handling and before eating, drinking, 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/Face Protection: Protective eyewear.

Hand Protection: Chemical resistant nitrile rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown

Physical State: Gel

Bulk Density: 9.51 lbs/gal

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Extremes of temperature and direct sunlight.

Exposure to moisture.

Incompatibility: Strong oxidizing agents

Strong bases

Strong acids

11. TOXICOLOGICAL 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.

Acute Oral Toxicity rat: LD50: > 5,000 mg/kg

Acute Dermal Toxicity rat: LD50: > 2,000 mg/kg

Acute Inhalation Toxicity rat: LC50: > 2.9 mg/l

Exposure time: 4 h

rat: LC50: > 11.6 mg/l

Exposure time: 1 h

Extrapolated from the 4 hr LC50.

Skin Irritation

rabbit: Slight irritation.



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Eye Irritation

rabbit: No eye irritation.

Sensitization

guinea pig: Non-sensitizing.

Chronic Toxicity

Fipronil caused liver, kidney or thyroid effects and/or neurobehavioral effects.

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 CONSIDERATIONS

General Disposal Guidance: It is best to use all of the 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 container in trash. Follow advice on product label and/or leaflet.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME (PSN): Environmentally hazardous substance, liquid, nos

IMDG Page Code: 9028

EMS No: none

IMCO CLASS: 9

UN NO.: 3082

PACKAGING GROUP: III

15. REGULATORY INFORMATION

US States Regulatory Reporting

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.



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16. DISCLAIMER

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.