

Preparation Date : 18-Feb-2020

Revision No : 01

1. Identification of the Substance/Preparation and of the Company / Undertaking

Product Identifier

Product Description	Fipronil 0.05% Gel
Trade Name	Kokron Gel
Formula	C ₁₂ H ₄ Cl ₂ F ₆ N ₄ O ₅

Other means of Identification

UN-No	UN 1714
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Recommended use of the chemical and restriction on use

Recommended use	Insecticide Bait
Uses advised against	Activities contrary to label recommendations

Details of the Supplier of the Safety Data Sheet and the Material

Supplier Address

ULTIMA SEARCH
9-10, Krishna Commercial Centre,
6- Udyog Nagar, S.V. Road, Goregaon (W),
Mumbai-400062

E-mail address care@ultimasearch.com

Emergency Telephone Number

Company Phone Number	+91-022 28771506
Emergency telephone number	+91-022 28771506 (From 9:00 A.M. to 5:00 P.M.)

2. Composition / Information on Ingredients

Hazardous Component Name	CAS-No.	Average % by Weight
Fipronil	120068-37-3	0.05

3. Hazard 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

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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 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.

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.

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Flash point:	N/A
Fire and Explosion Hazard	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)
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 Methods.

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 cleanup

7. Handling and Storage

Handling Procedures	Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.
Storing Procedures	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children and animals.
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, 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	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

10. Stability and Reactivity

Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatibility	Strong bases Strong acids Strong oxidizing agents
Hazardous Decomposition Products	Thermal decomposition Nitrogen oxides (NOx) Sulphur oxides Hydrogen fluoride (HF) Carbon oxides Hydrogen chloride (HCl)
Hazardous Reactions	Stable under normal conditions.

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: LD50: > 2.9 mg/l Exposure time 1hr. Rat LD50: > 11.6 mg/l Exposure time 1hr. Extrapolated from the 4 hrLC50
Skin Irritation	Rabbit: Slight Irritation
Eye Irritation	Rabbit: No eye irritation.
Sensitization	Guinea pig: Non-sensitizing.
Chronic Toxicity	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.
Reproductive & Developmental Toxicity	REPRODUCTION: Fipronil was not considered a primary reproductive toxicant in rats. DEVELOPMENTAL TOXICITY: Fipronil was not observed to be a developmental toxicant in rats and rabbits.
Neurotoxicity	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.
Mutagenecity	Fipronil was not mutagenic or genotoxic in a series of in vitro and in vivo tests.

12. Ecological Information

Environmental Precautions	Do not allow it to get into surface water, drains and ground water. 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.
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13. Disposal Considerations

General Disposal	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
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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

Freight Classification Insecticides or fungicides, N.O.I.: other than poison

15. Regulatory Information

EPA Registration No. 432-1257

R-Phrase (s)

R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase (s)

S2 : Keep out of the reach of children
S13 : Keep away from food, drink and animal feeding stuffs
S20/21 : When using do not eat, drink and smoke
S35 : This material and its container must be disposed of in a safe way.
S49 : Keep only in the original container
S57 : Use appropriate container to avoid environmental contamination

16. Other Information / Disclaimer

The Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties, of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is however ensured that the information contained in the material safety data sheet is relevant to the product manufactured / handled or sold as the case may be by us. Ultima Search makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.