



MATERIAL SAFETY DATA SHEET OF
KRAZY LINE GEL

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	Krazy Line Gel
Technical Name	Fipronil 0.05% GEL
Chemical name	Fipronil Gel
Formula	C ₁₂ H ₄ Cl ₂ F ₆ N ₄ O ₅
Supplier	Jayco Chemicals India 31, KishanGanjHapur, Uttar Pradesh – 245101. Phone - +91 9897547701 Website – www.jaycochemicalsindia.com
Manufacturer	Jayco Chemicals India 21, Industrial Estate, Meerut Road Dheerkhera Uttar Pradesh 245101 0122-233001/233002

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	Regn No.	Average % By Weight
FIPRONIL GEL	CIR-64,183/1990-Fipronil (GEL)(307)-357	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.

Physical State	Gel
Appearance	Brown
Route of Exposure	Eye Contact, Skin Absorption, Skin Contact, Ingestion

Works : 21, Industrial Estate, Meerut Road, DHEERKHERA (Meerut) ☎ : 2316876

**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 an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center 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_x)

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 firefighting to enter drains or water courses.

In the event of fire and/or explosion do not breathe fumes. Firefighters should wear approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURE

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 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

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 REACTIVITY

Thermal decomposition prescribed/indicated.	:	No decomposition if stored and handled as
Corrosion to metals	:	No corrosive effect on metal
Hazardous reactions prescribed/indicated.	:	No hazardous reactions if stored and handled as
Hazardous decomposition Products	:	No hazardous reactions if stored and handled as prescribed/indicated.

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.

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 Rabbit: Slight Irritation
Skin Irritation	Rabbit: Slight Irritation
Eye Irritation	Rabbit: No eye irritation.
Sensitization	Guinea pig: Non-sensitizing.

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 a developmental toxicant in rats and rabbits.
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al effects (e.g., tremors) in neurotoxicity studies in rats. Delays in developmental landmarks were observed in rats at maternally toxic doses.

genic or genotoxic in a battery of in vitro and in vivo tests.



12. ECO LOGICAL INFORMATION

ENVIROMENTAL PRECUATIONS:

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 Do not apply directly to water

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 container in trash. Follow advice on product label and/or leaflet.

14. TRANSPORT INFORMATION

Domestic transport

: Not classified as a dangerous good under transport regulations

Sea transport

: Not classified as a dangerous good under transport regulations

IMDG Air transport

: Not classified as a dangerous good under transport regulations

IATA/ICAO

15. REGULATORY INFORMATION

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.

Poisons schedule

: Not scheduled.



16. OTHER INFORMATION

Full text of hazard symbols and R-phrases if mentioned as hazardous components in section 3:

T	: Toxic
N	: Dangerous for the environment.
23/24/25 swallowed.	: Toxic by inhalation, in contact with skin and if
48/25 prolonged exposure if swallowed.	: Toxic: danger of serious damage to health by
50/53 long-term adverse effects in the aquatic environment.	: Very toxic to aquatic organisms, may cause

The information provided in this safety information sheet is supplied in good faith and is accurate at the date of its publication. The intention is to give sufficient information about the product and its properties to enable the user to formulate his own procedure for the safe use of the product in terms of health and safety of all concerned and the protection of the environment. The information will be updated as and when appropriate. It is not a specification of the product nor does it list its uses, for which the label on the container should be carefully studied. In compiling the Safety Information Sheet due account has been taken of all proper and recommended applications of the product of which we are aware and any user must consult us before applying it to any novel or unusual use. The company accepts no responsibility unless the product is used as rec