



CHEMET WETS & FLOWS P. LTD.

AN ISO 9001:2008; ISO 14001:2004; OHSAS 18001:2007 CERTIFIED COMPANY

G-12 Hemkoot Building, B/H LIC Office, Opp. B.M. Institute of Mental Health, Ashram Road, Ahmedabad-380009. Gujarat. INDIA.

Phone : 079-26586091, Fax : 079-26587111 Email : info@chemet.in Website : www.chemet.in

PRODUCT SAFETY DATA SHEET FIPRONIL 5 % SC

1. CHEMICAL PRODUCT IDENTIFICATION

Trade Name	RACE
Technical Name	FIPRONIL 5 % SC
Chemical Name	5-amino-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile
Formula	C ₁₂ H ₄ Cl ₂ F ₆ N ₄ OS
Supplier	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Manufacturer	CHEMET WETS & FLOWS P. LTD Plot no. 129/c/2, GIDC Estate, Ankleshwar 393002 Tel: 91-2646 239490
Emergency Phone No.	02646-239490
Fax No	02646-220254
Environmental, Health and Safety Department	02646-239490 02646-220254
E mail Id	chemetank@gmail.com

2.COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS NO	Percentage
Fipronil SC	120068-37-3	5%

3. HAZARDS IDENTIFICATION

Emergency Overview

Caution .Keep out of the reach of children .Hazard to humans and domestic animals. Harmful if swallowed ,inhaled or absorbed through the skin .Causes eye irritation .Do not get in eyes ,on skin , Or on clothing .Do not breath spray mist .This pesticide is toxic to birds, fish and aquatic invertebrates.

Immediate Effects



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Eye

Causes eye irritation .May because redness, tearing .Do not get it eyes.

Skin

Harmful if absorbed through the skin .Do not get on skin or clothing .May produce symptoms similar to those from ingestion .May cause redness, irritation, and swelling.

Ingestion

Harmful if ingested .May cause shortness of breath, drowsiness, involuntary, shaking, muscle weakness, and convulsions.

Inhalation

Harmful is inhaled. Avoid breathing spray mist .May produced Symptoms similar to those from ingestion. May cause shortness of breath, excitement, involuntary, shaking, irritability.

Medical conditions aggravated by exposure

Inhalation of product may aggravate existing chronic respiratory problems Such as asthma emphysema or bronchitis.

4. FIRST AID MEASURES

Eyes

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 containing rinsing eye. Call a poison control center or doctor for treatment advise

Skin

Take off contaminated clothing Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

Ingestion

Immediately call a poison control center or doctor for treatment advice. Make a person sip a glass of water if able to swallow .Do not induce vomiting unless told to do so by a poison control center or doctor for treatment advice.

Inhalation

Move person to fresh air .If person is not breathing, call an ambulance, then give artificial respiration, prefer by mouth to mouth if possible. Call a poison control center or doctor for treatment advice.

Note to Physician



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Have the product container or label with you when calling a poison control center or going for treatment. There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred. In severe cases of overexposure by oral ingestion, lachrymation, muscle tremors, and in extreme cases, possibly convulsion may occur.

5. FIRE FIGHTING MEASURES

Flash point >93° C / >199°

Method Closed cup

Flammability Class Will Burn

Lower Flammable Limit Data

Upper Flammable Limit No Data

Fire and Explosion Hazards

Containers may explode (due to the buildup of pressure) when exposed to extreme heat.

Suitable Extinguishing Media Foam, water spray, carbon dioxide, dry chemical

Fire Fighting Instructions

Fire fighter should wear approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazard area and deny entry. Evacuate residence who are downwind of fire. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should be mistaken for heat exhaustion or smoke inhalation.

6. ACCIDENTAL RELEASE MEASURES

Land spill or leaks

Containment of spill: stop leak if it can be done without risk. In case of minor spills or leaks sock up with sand, earth or other suitable material and dispose of wastes and broken or empty containers in a landfill approved for pesticide use.

7. HANDLING AND STORAGE

Handling producers

Does not breathe vapor or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest.

Storing Procedures



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Do not contaminated water, food, or feed by storage or disposal. Stock in or genial container .keep out of reach of children and domestic animals. Keep away from direct sunlight .Store in cool place .Store in area that is away from ignition sources .Store in area away from food. , foodstuffs, fertilizers, seed and water sources .Store in tightly closed containers.

Work/Hygienic procedures

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet .Remove contaminated clothing. Then Wash body thoroughly by water and put on clean clothing. Wash clothing with detergent and hot water before reusing. Remove personnel protective equipment (PPE) immediately after handing this product .Wash the outside of gloves before removing .Wash PPE before reusing.

Min/Max Storage Temperatures

Not available

8. PERSONAL PROTECTION

Engineering Controls

Where engineering controls are indicated by use conditions of a potential for excessive exposure exists, the following traditional exposure control technical may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation.

Eye /Face protection

All pesticide handlers must wear protective eyewear (goggles, a facsimiled, or safety glasses with front, brow and temple protection) When working in a noon ventilated space, including but not limited to crawl –spaces and basements or when applying termiticide by Roding or sub slab injection.

Body Protection

Applicators and other handlers must wear .Long –sleeved shirt and long pants shoes plus socks chemicals resistant gloves.

Respiratory Protection

All pesticide handlers must wear a dust/mist filtering approved respirator with any N,R,P or HE filter when working in a non-ventilated space, including but not limited to crawl spaces and basement. Under condition immediately dangerous to life or health, or emergency conditions with unknown concentrations. Use a full – Face positive pressure air-supplied respirator equipped with an emergency escape air supply unit or use a self contained berthing apparatus unit.

General Protection

This recommendation provided general guidance for handling this product. Because specific work environments and material handling practices very safety, procedures should be developed for each intended application .While developing Safe handling Procedures, do not overlook the need to clean equipment and piping system for maintenance and repairs. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufactures.

Exposure Limit

None Established



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light brown
Physical State	Liquid viscous
Odor	Odorless
Specific Gravity	1.24 at 25 °C
Solubility In Water	Dispersive
pH	7.2 at 1 wt/wt %
Other information	Physical and chemical properties here represent typical properties of this product.

10. STABILITY AND REACTIVITY

Condition To Avoid	Direct Sunlight, Extreme heat, spark, open flame
Incompatibility	Strong bases, Strong acids, Strong oxidizing agents
Hazardous Products of decomposition	Decomposition Type: thermal Hydrogen fluoride Oxides of nitrogen Oxides of sulfur Carbon oxides Hydrochloric acid
Hazardous Polymerization(condition to avoid)	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Rat: LD50:>1999 mg/kg
Acute Dermal Toxicity	Rabbit: LD50:>2000 mg/kg
Acute Inhalation Toxicity	Rat: LC50:>1.7 mg/l 4 h
Acute Respiratory Irritation	No data found the product
Skin Irritation	Rabbit :Slightly irritating



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Eye Irritation

Rabbit :Slightly irritating

Sensitization

Guinea pig: None Sensitizing

12. ECOLOGICAL INFORMATION

Acute and Prolonged

Data for a similar product

Toxicity to fish

Mean concentration

Bluegill Sunfish

LC50: 85 ug/l

Flow Through

Rainbow trout

LC50: 248 ug/l

Flow Through

Daphnia

EC50:190ug/l

Flow Through

Toxicity other Non Mammal terr. Species

Dietary concentration

Mallard duck

LC50: 5000 mg/kg

Mean concentration

Bobwhite quail

LC50: 48 mg/kg

Mean concentration

Environmental

This pesticide is toxic to birds, fish and aquatic invertebrates. Do not apply Precautions directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Care must be taken to avoid runoff. Do not contaminate water by cleaning equipment or disposal of waste. Do not contaminate water when disposing of equipment wash waters.

13. DISPOSAL CONSIDERATIONS

General Disposal

Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.



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14. TRANSPOT INFORMATION

None.

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

None.

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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