

MATERIAL SAFETY DATA SHEET

ARGENT (Fipronil 5% SC)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND SUPPLIER

PRODUCT NAME	:	Argent
RECOMMEDED USE	:	Fipronil 5% SC
RECOMMEDED USE	:	A liquid Insecticide for Agricultural use.
FORMULATION	:	Suspension Concentrate
SUPPLIER 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
MANUFACTURER ADDRESS	:	Arbuda Agrochemicals Pvt. Ltd. Plot No-281-283, GIDC, Taluka – Talod, District – Sabarkanta, Gujarat – 383215, INDIA.

2. COMPOSITION/ INFORMATION ON INGRADIENTS

Ingredient	:	Fipronil SC
CAS NO	:	120068-37-3
Percentage	:	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

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 continue rinsing eye. Call a poison control center or doctor for treatment advice.

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, preferably by mouth to mouth if possible. Call a poison control center or doctor for treatment advice.

Note to Physician

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, lethargy, muscle tremors, and in extreme cases, possibly convulsion may occur.

5. FIRE-FIGHTING MEASURES

Flash point	:	>930 C / >1990
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 build-up 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 vapour or spray mist. Do not get in eyes, on skin, or on clothing. Do not ingest.

Storing Procedures

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. EXPOSURE CONTROLS / 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 production

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

9. PHYSICAL AND CHEMICAL PROPERTISE

Appearance	:	Light brown
Physical State	:	Liquid viscous
Odour	:	Odourless
Specific Gravity	:	1.24 at 25 0C
Solubility In Water	:	Dispersive
pH	:	7.2 at 1 wt/wt %
Other information	:	Physical and chemical properties here represent typical properties of this product. vv

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 flu ride Oxides of nitrogen Oxides of sulfur Carbon oxides Hydrochloride 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
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 CONSIDERATION

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.

14. TRANSPORT INFORMATION

None

15. REGULATORY INFORMATION

None

16. OTHER INFORMATION

MSDS PREPARATION DATE	01.02.2024
REVISION DATE	31.01.2026

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.