

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Date: Mar.4th, 2025

MSDS FOR ACETAMIPRID

1. PRODUCT IDENTIFICATION

Product Name: ACETAMIPRID 99% TC MFG No.:
Active Ingredient (%): Acetamiprid
Chemical Name: (E)-N¹-[(6-Chloro-3-pyridyl) methyl]-N²-cyano-N¹methyl-acetamide
Chemical Class: Chloro-nicotinyl

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Material	OSHA PEL	ACGIH TLV	Other	Concentration
Acetamiprid	Not Established	Not Established	Not Established	99% min

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Caution! Avoid contact with skin, eyes and clothing. Harmful if swallowed. Wash thoroughly with soap and water after handling.

ROUTE(S) OF ENTRY:

Inhalation, Contact, Ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

Acute effects of exposure: No specific symptoms of acute overexposure are known to occur in humans. Animal studies have shown that this material is mildly toxic by the oral and dermal routes. It is minimally irritating to the conjunctiva of the eye but the irritation is reversible within 72 hours. It is not a dermal irritant or a dermal sensitizer.

Chronic effects of exposure: No specific symptoms of chronic overexposure are known to occur in humans.

Carcinogenicity: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

Medical conditions aggravated No specific medical conditions are known which may be

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

by exposure: aggravated by exposure to this product.

4. FIRST AID MEASURES

FIRST AID MEASURES

- Ingestion:** Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Eye Contact:** 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 Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call 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 mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

NOTES TO PHYSICIAN:

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 duct may have occurred.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION

- Flash Point(Test Method):** No available
- Flammable Limits(% in Air):** Lower:% Not Applicable Upper: % Not Applicable
- Autoignition Temperature:** Not Available
- Flammability:** Not applicable

IN CASE OF FIRE

Extinguisher Media:

Dry chemical, Alcohol foam, Water spray, Carbon dioxide (CO₂)

Special Fire Fighting Procedures:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective

clothing. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind if possible.

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Keep out of low areas. 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 not be mistaken for heat exhaustion or smoke inhalation.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK

Refer to Section 8 for personal protective equipment in handling. Avoid causing dust. Shovel, vacuum or scoop up to a metal drum for disposal. All flushing and clean-up residuals should be collected for proper disposal to prevent soil and surface, ground and sewer water contamination. Do not allow to contaminate ground or surface water system.

CLEAN-UP AND DIPOSAL OF SPILL:

Sweep up and place in an appropriate closed container. No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washing for disposal. Decontaminate tools and equipment following clean up.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL)

Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mist. Avoid breathing dust. Wash thoroughly after handling. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Keep out of reach of children and animals. Personnel handling this product should be thoroughly trained as to its hazards. Use non-sparking tools and grounded/bonded equipment and containers when transferring. Do not ingest. Do not breathe dust or mists. Avoid getting material on clothing. Use handling, storage and disposal procedures that will prevent contamination of water, food or feed. Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing.

HANDLING (PHYSICAL ASPECTS)

This product may present a dust explosion hazard. Dry powders can build static electricity charges when subjected to the friction of conveying, mixing or sliding. Provide adequate precautions, such as

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

electrical grounding, or inert atmospheres when material is used in the presence of flammable materials to prevent ignition. It is recommended that all dust control equipment and material transport system involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. This powder should not be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment

STORAGE

Store the product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store the product in a cool dry place. Keep away from heat, sparks and flames. Do not store in or around the home. Store the unused product in a cool, ventilated, dry locked area. Never transfer this product to another container for storage. Do not allow prolonged storage in areas where temperatures frequently exceed 115F(46°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection requirements:	Safety goggles with side shields or splash.
Skin protection requirements:	Long-sleeved shirts and long pants, water proof gloves, shoes plus socks and chemical resistant headgear.
Hand protection requirements:	Impervious gloves such as rubber.
Respirator requirements:	Under normal handling conditions, no respiratory protection is needed; however, when potential exposure to this product is excessive, wear a NIOSH-approved respirator for dusts and mists or for pesticides.
Ventilation requirements	Control exposure levels through the use of general and local exhaust ventilation where needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to yellowish solid powder without visible extraneous impurities
Odor:	Essentially no odor.
Vapor Pressure:	1.0×10^{-6} Pa @20°C
Melting point:	98.9°C
Solubility in water:	4.2g/L @20°C

10. STABILITY AND REACTIVITY

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Stability:	Stable
INCOMPATIBILITY:	Avoid incompatible conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable
Hazardous Decomposition	Not applicable
Products:	

11. TOXICOLOGICAL INFORMATION

(Only acute studies have been performed on this product as formulated. The non-acute information pertains to the technical-grade active ingredient, Acetamiprid.)

ACUTE TOXICITY/IRRITATION STUDIES

Ingestion:	Oral (LD50 Rat) : >171mg/kg
Dermal:	Dermal (LD50 Rabbit): >2150mg/kg
Eye Contact:	Slightly
Skin	Slightly
Sensitization:	

CARCINOGENICITY

No carcinogenicity.

MUTAGENICITY

No mutagenicity.

DEVELOPMENTAL TOXICITY:

No effect on developmental toxicity.

REPRODUCTION

No effect on reproduction toxicity.

12. ECOLOGICAL INFORMATION

Acetamiprid use would pose minimal risk to fish and wildlife.

Toxicity of acetamiprid is selective to insects, but some uses may pose risk to certain non-target aquatic invertebrates.

Acetamiprid is only moderately toxic to bees.

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Acetamiprid use would generally pose low risk to threatened and endangered species.

Acetamiprid use would pose minimal risk to non target plants.

Moderate risk to be mitigated by label restrictions and warning.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Do not contaminate water supply, food or feed by storage or disposal. Do not dispose of by open dumping.

Do not flush to surface water or sanitary sewer system. Do not contaminate water, food or feed by disposal. Contamination with this product will render water, food, or feed unfit for human or animal consumption. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate 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 by other procedures approved by state and local authorities. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Proper Shipping Name: Not regulated.

Hazard Class: 6.1 2588

15. REGULATORY INFORMATION

OSHA Status: Not listed

TSCA Status: Not listed

16. OTHER INFORMATION

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

MANUFACTURER INFORMATION:

Name: HEBEI JRRAIN TECHNOLOGY CO.,LTD.
Address: No. 66 XIANGTAI ROAD, YUHUA DISTRICT, SHIJIAZHUANG CITY, HEBEI
PROVINCE,CHINA
Tel: 86-311-80680379
Fax: 86-311-80680380

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

HEBEI JRRAIN TECHNOLOGY CO.,LTD.