



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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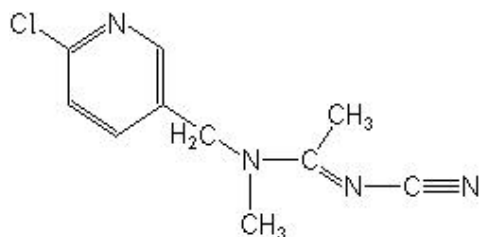
1. Chemical Product Identification

Product Name: Acetamiprid 95% TC

Molecular Formula: C₁₀H₁₁ClN₄

Molecular Weight: 222.67 g/mol

Structural Formula:



Chemical Name: (E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine

Form: Powder

Colour: Off-white to light yellow

CAS No.: 135410-20-7

2. Composition / Information On Ingredients

Composition	Chemical name	Content (% w/w)
Active ingredient	Acetamiprid	95%
Other ingredient	-----	5%



3. Hazards Identification

Emergency Overview: Caution. Hazard to humans and domestic animals. Keep out of reach of children.

4. First Aid Measures

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 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 advice.

Ingestion: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless directed to do so by a physician or poison control center. Have a person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note 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 product may have occurred.

5. Fire-Fighting Measures

Extinguishing media

To be used: Water, sand, foam, carbon dioxide, dry powder

Don't use: not applicable

Particular risk: not applicable

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

6. Accidental Release Measures

General and Disposal

Evacuation Procedures and Safety: Personnel handling this material should be thoroughly trained to handle spills and releases. Wear appropriate gear for the situation. See Personal



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Protection information in Section 8. Cleanup and Disposal of Spill: Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washings for disposal. Decontaminate tools and equipment following cleanup.

Land Spill or Leaks: Containment of Spill: Stop leak if it can be done without risk. Follow procedure under Cleanup and Disposal of Spill.

7. Handling And Storage

Handling Procedures: Keep out of reach of children and animals.

Personnel handling this product should be thoroughly trained as to its hazards. Use nonsparking 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.

Storing Procedures: Do not store in or around the home. Store unused product in a cool, ventilated, dry, locked area. Never transfer this product to another container for storage.

8. Exposure Controls/personal protection

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Body Protection: Applicators and other handlers must wear long-sleeved shirts, long pants, chemical resistant, waterproof gloves, and shoes plus socks during mixing, loading, applying and clean-up and repair activities. Where overhead exposure is possible, chemical resistant headgear should be worn.

9. Physical And Chemical Properties



Appearance: Off-white to light yellow powder

Density: 1.33 g/cm³

pH: 5.0-9.0

Melting Point: 98.9°C

Boiling point: Decomposes before boiling

Partition Coefficient: log P= 0.8 (at pH 7, 20°C)

Vapour pressure: 1.73×10⁻⁴ mPa (25°C)

Solubility: in water: 2.95 g/l at 20°C; in other solvents: hexane 6.54 mg/l, chloroform 200 g/l, dichloromethane 200 g/l, acetone 200g/l.

10. Stability And Reactivity

Conditions to avoid: fire, feed, food and beds of water

Products to avoid: Acid, alkalis and strong oxidizers

Thermal decomposition: not applicable

Hazardous decomposition products: not applicable

Hazardous reaction: none

11. Toxicological Information

Acute oral LD₅₀ (rat): 217 mg/kg (male), 146 mg/kg (female)

Acute dermal LD₅₀ for rats: >2000 mg/kg

Acute inhalation toxicity:LC₅₀ (4h) for rat: >1.15 mg/l

Skin irritation: Non- irritating for rabbits.

Eye irritation: Non-irritating for rabbits

Skin Sensitization: Non-sensitive (Guinea Pig)

12. Ecological And Ecotoxicological Information

Effect on birds: Acute oral LD₅₀ for Mallard is 98 mg/kg.

Effect on fish: Acute LC₅₀ (96 h) for Rainbow trout is >100 mg/l.

Effects on aquatic invertebrates: Acute EC₅₀ (48 h) for Daphnia magna is 49.8 mg/l.

Effects on algae: Acute EC₅₀ (72 h) for Scenedemus subspicatus is >98.3 mg/l.

Effects on bees: Contact acute (48 h) LD₅₀ is 8.09 µg/bee, Oral acute (48 h) LD₅₀ is 14.53 µg/bee.

Effects on earthworms: Acute 14 day LC₅₀ is 9 mg/kg.



13. Disposal Considerations

General Disposal Guidance: Do not contaminate water, food, or feed by storage or disposal. Contamination with this product will render water, food or feed unfit for human or animal consumption.

Container Disposal: Triple rinse the empty container. Add the rinsings to the spray mixture in the tank. Make the empty rinsed container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.