

1: IDENTIFICATION

Chemical Name	(E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine		
Synonyms	Acetamiprid 20% SP	Trade Name	MADRID® (MADRID)
Uses	Insecticide	Molecular Formula	C ₁₀ H ₁₁ ClN ₄
Manufacturer/Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Acetamiprid	135410-20-7	20.0%
Other Ingredients	-	Q.S

3: HAZARD IDENTIFICATION

Hazard Classification:	Acute toxicity (inhalation) cat. 4	Acute aquatic toxicity cat. 1	Carcinogenicity cat. 2
Health Hazard:	H317 May cause an allergic skin reaction	H319 Causes serious eye irritation	H351 Suspected of causing cancer
Environmental Hazard:	H400 Very toxic to aquatic life		

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air. Keep the patients warm and at rest. If person is not breathing then give artificial respiration, preferably mouth-to-mouth if possible. Allow patients to rest. Immediately seek medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting unless told by doctor. Do not give anything by mouth to an unconscious person. Seek medical attention immediately and show this container or label.

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Speed in removing material from skin is extremely important. Remove and isolate contaminated clothing and shoes. Call medical attention.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Important Symptoms and Effects, both Acute and Delayed : 1) Skin contact- There may be mild irritation at the site of contact.

2) Eye contact - There may be irritation and redness. The vision may become blurred.

3) Ingestion - There may be soreness and redness of the mouth and throat.

Note to Physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide

Specific Hazards: Exposure to decomposition products may be a hazard to health.

Hazardous Thermal (de)composition: None

Special Procedures: Evacuate area and fight fire upwind from a safe distance. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination. Dike and collect water used to fight fire to prevent environmental damage due to runoff. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard. Do not discharge extinguishing water into the drain or water bodies.

Protection of Fire Fighters: Do not breathe a fumes. Wear a self contained breathing apparatus. Wear suitable protective gloves and eye/face protection.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Eliminate all sources of ignition. Avoid creating dust formation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from spill/ fumes.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: Clean up mechanically by sweeping or shovelling and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Do not use equipment in clean-up procedure, which may produce sparks. Clean contaminated floors and objects thoroughly with water and detergents. Dispose of in accordance with local regulations. If significant amount of product enters into drain, notify the local authorities.

7: HANDLING & STORAGE

Handling: Do not smoke, drink, or eat during handling. Wash hands using liquid detergent. Wear protective clothing to avoid contact and/or inhalation with the product. Good personal hygiene procedures must be practiced.

Specific Conditions: Good local exhaust ventilation.

Storage: Store in dry, cool, well-ventilated area and away from source of ignition. Keep in original container and tightly closed when not in use. Store in locked room and away from children, seeds, fertilizer, foods and animal feeds. Never allow product to become wet as this may leads to chemical change which will reduce the effectiveness of the product and could create flammable vapours.

8:EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Ensure area is well-ventilated, especially confined area. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Where concentrations are above recommended limits or unknown, NIOSH/MSHA approved respiratory protection equipment should be used. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Skin Protection: Wear suitable protective clothing, including boots, gloves, lab coat, apron or cover all, as appropriate to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9:PHYSICAL/CHEMICAL PROPERTIES

Appearance : Powder	Odour: Odourless	Physical State: Solid
Colour: Light blue	pH : Not available	Melting Point [°C]: 98-99
		Solubility in Water: Soluble

10:STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Hazardous Decomp. Products: Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. Toxic gases such as oxides of sulphur, carbon and nitrogens may be released on combustion.

Material to Avoid: Alkaline

Conditions to Avoid: Alkali and moisture

11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : 417	Rat inhalation LC50 [mg/l/4h] : 2.88	Skin irritation (rabbit): Irritant
Dermal (rat) LD50 [mg/kg] : >2000	Skin Sensitization (Guinea Pig): Sensitizer	Eye irritation (rabbit): Irritant

12: ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic toxicity : Material is not a marine pollutant

Bio-accumulation Potential: No data available.

Persistence, Degradability and Mobility in Soil: No data available

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Empty remaining contents and the rinse containers thrice before disposal. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers unless they are specifically designed to be refilled. If burnt, avoid inhalation of smoke (if burning permitted).

14: TRANSPORT INFORMATION

UN No. - **Proper Shipping Name:** Acetamiprid 20% SP

Not Regulated as a hazardous material by any mode of transportation

15: REGULATORY INFORMATION

Hazard Symbol: Xn Harmful

Risk Phrases: R22, R53

Safety Phrases: S2, S24/25, S36/37, S57, S60, S61

16: OTHER INFORMATION

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