



MATERIAL SAFETY DATA SHEET

PRODUCT : Acetamiprid 20% SP

PRODUCT DESIGNATION : Insecticide

Section 1. Product & Company Identification

Common Name : (Acetamiprid 20% SP)

Grade : Formulation

Active Ingredient : Acetamiprid

Chemical Name of Active Ingredient (IUPAC) : (E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methyl acetamidine

Chemical Family of A. I. : Neonicotinoid

Molecular Formula of A. I. : C₁₀H₁₁CIN₄

Molecular Mass of A. I. : 222.7 g/mol

Manufacturer & Supplier : **M/s PERFECT SOLUTIONS.**
Office Add: B-371, Paschim Vihar, New Delhi - 110063 (India)
Factory Add: 15/1, 15/2, 15/3 Industrial Estate, Vidisha - 464001 (M.P)

Telephone Number : +91 8375844625

Section 2. Composition / Information on Ingredients

<u>Name of Components</u>	<u>Concentration% w/w</u>
Acetamiprid a. i.	20.00% w/w min.
Other Ingredients	80.00% w/w min.
Total	100.00% w/w

Section 3. Hazards Identification

Inhalation : Inhalation of dust of this material can cause drying of mucous membranes of the eyes, nose and throat which may result in irritation and occasional nosebleeds.

Eye contact : Direct contact with dust may cause slight eye irritation.

Skin contact : Direct contact with dust may cause slight skin irritation. Ingestion : Slightly toxic if swallowed. Emergency Antidote : No specific antidote. Treat symptomatically.



Antidote: No specific antidote. Treat symptomatically.

Section 4. First Aid Measures

Emergency and First Aid Procedure –

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20min. remove contact lenses, if present, after the first 5 min, then continue rinsing eye.

If on Skin: Take off contaminated clothing, rinse skin immediately with plenty of water for 15-20 minutes.

If Inhaled: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If Swallowed: Give a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Seek doctor for treatment advice immediately.

Section 5. Fire Fighting Measures

Hazardous product of Combustion.

Extinguishing Media: Water spray, carbon dioxide, foam, dry agent.

Special Fire fighting procedures: Wear full protective equipment and self-contained breathing protection. Avoid Creating significant airborne dust. Spray unopened containers with water to keep cool. Contain fire-fighting water by bonding area with sand or earth to prevent it entering any bodies of water. Dispose of fire control extinguishing agent and spillage later in safe manner.

Unusual fire and Explosion Hazards: Toxic gases including carbon monoxide, carbon dioxide, oxides of nitrogen, and Smoke.

Section 6. Accidental Release Measures

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

Environmental Precautions: Do not flush to drain. If spilled on the ground, the affected area should be scraped and placed in an appropriate container for disposal. Prevent material from entering public sewer system or any waterway.

Steps to be taken in case of a spill: Obey all Federal, State or local regulations for health & safety and environmental protection when the accidental release is treated. Sweep up, place in



a bag and hold for waste disposal. Wash spill site with soap and plenty of water after material pick-up is complete. Do not discharge to river, sea, lake, waterway or sewer systems directly.

Section 7. Handling & Storage

Precautions in Handling: Avoid breathing dust. Keep container tightly closed; flush container clean before discarding. Do not reuse container. Do not apply when weather conditions may cause drift. Do not allow this product to drift to non-target areas.

Precautions in Storage: Store in the closed, original container in a cool, secure, well-ventilated area.

Section 8. Exposure Control, Personal Protection

Personal Protection : Appropriate respirator for dust. Working cloths with long sleeves and long pants.

Protective Gloves: Outside: Polyvinyl chloride, or Rubber. Inside: Cotton , rayon Polyethylene.

Eye Protection: Use safety glasses. If there is a potential to exposure for dust, wear safety goggles.

Skin Protection: Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

Engineering Control: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Section 9. Physical and Chemical Properties

Appearance / state	:	Light blue, solid powder
Odour	:	Odorless
Melting Point	:	98.9
pH	:	7.0 – 9.0 (formulation)
Corrosivity	:	Non-corrosive
Solubility	:	Soluble in water
Flash Point	:	Not highly flammable



Section 10. Stability & Reactivity

Chemical Stability: Chemically stable under normal storage and handling conditions

Condition to Avoid: Avoid high temperature.

Incompatible Materials: oxidizing agents , strong acids , strong bases

Hazardous Polymerization: will not occur

Section 11. Toxicological Information

Oral LD50	: rat 1065 mg/kg.
Skin Contact, Dermal LD50	: rat > 2000 mg/kg.
Inhalation, (4 hr) LC50	: for rat > 3.5 mg/l.
Eye Irritation	: Non-Irritating to eyes
Skin Irritation	: Non- Irritating to skin
Sensitization	: Non- Sensitizing (guinea pig)

Section 12. Ecological Information

Acute Oral Toxicity in Birds	: LD50 for bobwhite quail 154- 170mg/kg.
Acute Toxicity in Fish	: LC50 (24-96 hr) for carp 263.9mg/L.
Acute Toxicity Honey bees	:15 µg/bee slightly toxic to bees
Acute Toxicity in Daphnia Magna	: >100 mg/l

Section 13. Disposal Consideration

Waste Treatment Methods: Contaminated absorbents, surplus product (in diluted form), etc., should be buried in approved landfill. Comply with any local legislation applying to waste disposal. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options.

Containers: For incinerate this material at a facility that. Refer to the product label for container disposal instructions. Do not re-use empty containers



Section 14. Transport Information

IMDG Classification

Shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S.

Class : 9

Packing group : III

UN number : 3077

Marine pollutant : Yes

Section 15. Regulatory Information

Contains: Acetamiprid 20% SP

Risk Phrases: R22 and R 51/53

Safety Phrases: S2, S13, S20/21, S36/37, S60 and S61

Section 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 in 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 produces formulations(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

Safety Division : PERFECT SOLUTIONS, SAFETY DIVISION

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