



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Acetamiprid Technical
CAS No : 135410-20-7
Use : Insecticide
Company Info : M/s HPM Chemicals & Fertilizers Ltd
209-210, Anupam Bhawan, Commercial Complex
Azadpur, Delhi-110033
Telephone : (011)-45071800, 899
Fax : (011)- 27681800
Website : www.hpmindia.com
E-mail : info@hpmindia.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Concentration
Acetamiprid a.i.	98.00% min.
Other associates impurities	02.00% max

3. HAZARDS IDENTIFICATION OF PREPARATION

Major Health Hazards: The onset of symptoms varies depending upon such factors as the route of absorption and quantity involved. In patients with occupational poisoning, skin symptoms usually develop within 4-6 hours after exposure, with systemic symptoms occurring as late as 48 hours after exposure. Paraesthesia of the facial skin can develop approximately 30 minutes after exposure and does not usually last beyond 24 hours when exposure is terminated. Following ingestion, the initial symptoms involve the gastrointestinal tract, developing 10-60 minutes after exposure. Patients suffering from acute oral poisoning usually develop prominent digestive symptoms such as epigastric pain, nausea and vomiting. Severely poisoned patients may have frequent convulsive attacks, coma, or pulmonary oedema. The prognosis is good if treated, with usually full recovery even in severely poisoned patients. (The hospitalisation period is usually longer than 4 weeks). **Safety**

Phrase(s): S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal foodstuffs.

S23: Do not breathe vapour/mist.

S36/37: Wear suitable protective clothing and gloves.

Poisons Schedule: S6 Poison.

Potential Health Effects

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic "Exposure Standards for Atmospheric Contaminants in the Occupational Environment".



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Acute Effects:

Swallowed: Data suggests that this product is harmful if swallowed.

Eye: This product is mildly irritating to the eyes. It is likely to cause mild discomfort such as watering and redness of the eyes. However, this should quickly disappear once exposure is over.

Skin: Data suggests that this product may be absorbed through the skin and be harmful by skin absorption. Major skin exposure may lead to health problems. May be a weak skin sensitiser.

Inhalation: Data suggests that this product is harmful if inhaled. Minor or short-term exposure may lead to short term health problems, although long-term exposure may lead to permanent health problems.

4. FIRST AID MEASURES

Skin Contact	:	Remove contaminated clothing and shoes immediately. Wash contaminated area with soap or mild detergent and large amount of water until no effects of chemical remains. If symptoms persists get medical help.
Eye Contact	:	Irrigate the eyes with large amount water or normal saline occasionally lifting upper and lower lids until no evidence of chemical remains and obtain a medical help.
Ingestion	:	Remove by gastric lavage and catharsis, maintain blood pressure and airway, Give oxygen if respiration is depressed. Do not perform gastric lavage if victim is victim is unconscious. Get medical attention immediately.
Inhalation	:	Remove the patient from the exposure area to fresh air immediately. If breathing has stopped perform the artificial respiration. Keep person warm and rest. Get medical attention immediately.

5. ACCIDENTIAL RELEASE

Personal Preparation	:	Avoid contact with skin, eyes and clothing.
Environmental Precautions	:	Prevent contamination of soil, drains and surface water.
Method of cleaning	:	Absorb the material in the sand, soil, diatomaceous earth or suitable absorbent. Place in suitable material and remove to safe place or dispose of in an incinerator approved for chemicals.

6. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media : Dry chemical, CO2, Water spray, standard foam.

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Exposure Hazards	:	For larger fire, use water spray, fog or standard foam. During a fire, irritating and possibly toxic gases like carbon dioxide; carbon monoxide; nitrogen oxides; sulfur dioxide; hydrogen chloride; may be generated by thermal decomposition or combustion
Fire-Fighting	:	Use dry chemical, foam or CO ₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate non essential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

7. HANDLING AND STORAGE

Handling	:	Use appropriate (impervious) clothing, gloves and closed foot ware to prevent the repeated contact with skin. Use flash proof and dust resistant goggles to prevent the contact with eyes.
Storage	:	Keep the product in original container tightly closed and correctly labeled. Store in suitable, cool, dry, well ventilated place under lock and key; away from the reach of the children, animals, food and animal feeding stuffs. Store away from the incompatible substances and source of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical protective measures	:	None
Exposure controls limits	:	Not Established
Respiratory protection	:	Wear suitable mask
Hand protection	:	Wear impervious gloves
Eye protection	:	Wear flash proof and dust resistant goggles.
Skin protection	:	Wear impervious clothing and closed foot ware.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white to light yellow powder



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Melting Point: 100-102°C;

Vapor Pressure: $< 1.0 \times 10^{-6}$ Pa at 25°C;

Octanol Partition Coefficient: Kow 0.8 at pH 7, 20°C;

Solubility: 4.2mg/l in the water at 25°C

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions described in Section 7.

Conditions to Avoid: None known

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Rat: LD₅₀: 217mg/kg (male) 146mg/kg (female)

Acute Dermal Toxicity: Rabbit: LD₅₀: > 2,000 mg/kg

Acute Inhalation Toxicity: Rat: LC₅₀(4 h): > 2.88 mg/l

Acute Respiratory Irritation: No test data found for product.

Skin Irritation: Rabbit: Slightly irritating

Eye Irritation: Rabbit: Mildly irritating

12 ECOLOGICAL INFORMATION

Environmental Precautions: This product is toxic to wildlife. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treated area. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not contaminate water used for irrigation or domestic purposes.

13. DISPOSAL CONSIDERATION

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed on site (by use according to the label) or at an approved waste disposal facility. Further information can be obtained from the EPA or the equivalent state and local agencies.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Check with EPA, State, and local authorities for the current regulations applicable to your area for disposal of waste containers.

14. TRANSPORT INFORMATION



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Not applicable

15. REGULATORY INFORMATION

Risk Sympol: Xn: Harmful

Risk Phrase(s): R22 harmful if swallowed

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.