



## MATERIAL SAFETY DATA SHEET

### Acetamiprid 20 % SP

#### 1. Chemical Product and Company Information

Product Name	: Acetamiprid 20 % SP
IUPAC Name	: N-((6-chloro-3-pyridinyl)methyl)-N'-cyano-N-Methyl-ethanimidamide.
Chemical Formula	: C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub>
Molar Mass	: 222.68
Use	: Insecticide
Company	: Crystal Crop Protection Private Ltd.
Address	: GI/17, Industrial Area, G.T. Karnal Road, Azadpur, Delhi- 110033
Telephone	:(011)-27118881/82
Fax	: (011)-27118885
Website	: <a href="http://www.crystalcropprotection.com">www.crystalcropprotection.com</a>
E-mail	: nathupur@crystalcrop.com
Emergency Tel No.	: (0130)-2219289

#### 2. Composition / Information on Ingredients

Chemical Name	CAS No	Concentration [% by weight]
Active ingredient	135410-20-7	20
Inert ingredients	-----	80

#### 3. Hazards Identification

<b>1. EU classification of the product</b> ( according to 1994/45/EC as amended)	: <b>Xn; R22; see 15.1</b>
<b>2 WHO classification</b>	: <b>Class II: Moderatory Hazardous</b>
<b>3 Health Hazards( acute &amp; Chronic)</b>	: <b>The product is harmful by injestion. See sec 11</b>
<b>4 Environmental Hazard</b> section 12	: <b>The product is harmful to aquatic invertebrates. See</b>

#### 4. First Aid Measures

- 1. Inhalation:** Remove to fresh air. If not breathing gives artificial respiration. If breathing is difficult give oxygen. Obtain medical attention immediately.
- 2. Swallowed:** Call a physician or Poison Control Centre. Give patient 1 or 2 glasses of water to drink. Induce vomiting by touching the back of throat with a finger. If vomiting occurs, rinse mouth & drink water again. Never give anything by mouth to an unconscious person. Seek medical advice immediately.
- 3. Skin Contact:** Remove any contaminated clothing and shoes. Wash skin with soap or mild detergent and water for at least 15 minutes. Wash clothing and clean shoes before re-use. Get medical attention immediately.
- 4. Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with water or saline solution for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
- 5. Antidote:** Seek medical attention at once in all cases of suspected poisoning. There is no specific antidote against this substance. Gastric lavage and / or administration of activated charcoal and sodium sulphate can be considered.



## 5. Fire Fighting Measures

- 1. Fire Extinguishing Media:** Extinguish fires with water spray, fog or foam. Do not use a water jet.
- 2. Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Cool tank/container with water spray. Isolate area. Fight fire from maximum distance, use extreme caution as heat may decompose material and rupture containers. If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material.

## 6. Accidental Release Measures

**Personal Precautions:** Ventilate area of leak or spill. Do not touch spilled material. Wear appropriate personal protective equipment as specified in Section 8.

**Spills:** Sweep up, place in a suitable container for reclamation or disposal. Avoid raising dust. Ventilating area and wash spill site after material pickup is complete. Prevent entry into sewers, basements or confined areas. Dike if needed. Neutralize the residue with a dilute solution of sodium carbonate.

## 7. Handling and Storage

**Handling & Storage:** Store in a cool dry place away from direct sunlight. Store away from food stuffs for animal or human consumption. Store in its original container well Sealed.

## 8. Exposure Controls/Personal Protection

**Ventilation system:** In general, dilution ventilation is a satisfactory health hazard control for this Substance. Keep container tightly closed. For exposures in enclosed areas, a respirator with either an organic vapour-removing cartridge with a particulate pre filter, or a canister approved for pesticides (NIOSH approved). For exposures outdoors, use a particulate filtering respirator.

**Occupational Exposure Limits:** personal exposure, 1 mg/m<sup>3</sup> (Form: Dust), ACGIH (United States, 1993) or any other component in this product. However exposure limit values defined by local regulations may exist & must be observed.

**Skin Protection:** Rubber boots with socks and heavy rubber gloves. Long-sleeved shirt and long pants.

**Eye Protection:** Use chemical safety goggles and/or full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

Appearance	: Light Blue powder
pH	: 6.5 – 8.5 at 1% dispersion in water
Colour	: Light blue Powder
Odour	: No odor determined
Melting Point	: More than 100 deg C
Boiling point	: Not Available
Solubility in Water	: Soluble
Corrosive Properties	: Not Corrosive.

## 10. Stability and Reactivity

Stability	: The product is stable at ambient temperatures.
Hazardous Polymerization	: Will not occur
Conditions to avoid	: Highly reactive with oxidizing agents. Product is slightly reactive with alkalis.



## 11. Toxicological Information

### ACUTE TOXICITY:

Oral LD 50 = 1064 mg/kg (rat) Male

Dermal LD50 > 2 000 mg/kg (Rabbit)

Inhalation LC50 > 2.88 mg/l (4 h) (rat)

### CHRONIC TOXICITY:

Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

## 12. Ecological Information

### 1. Ecotoxicity :

For the formulated product:

Acute toxicity to fish : 96 h LC50: 100 mg/l

Acute toxicity to Invertebrates : 48 h LC50: >100 mg/l (Daphnia magna)

Acute toxicity to Algae : 72 h LC50 >97.8 mg/l (Green algae)

2. Mobility : In the environment it is of moderate mobility.

## 13. Disposal Considerations

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. Dispose of container and unused contents in accordance with local requirements. Perforate empty container and do not use for any other purpose.

## 14. Transport Information

Follow the precaution indicated in the storage and handling section. Follow all regulations in your country.

## 15. Regulatory Information

Pesticides Act: Class IV

CPL Regulations: Class - Harmful

Risk Phrases: R22 Harmful if swallowed

R53 May cause long term adverse effects in the aquatic environment

Safety Phrases: S2 Keep out of reach of children

S61 : avoid release to environment.

S13 Keep away from food, drink and animal feeding stuff

S56 Do not discharge into drains or the environment, dispose of to an authorized Waste collection point

## 16. Other Information

Reasonable care has been taken in preparation of this information. The information contained herein is based on the data available to us and is believed to be correct as of the date prepared; however, Crystal Crop Protection Private Ltd., makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

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