



## AGRISOL (INDIA) PVT. LTD.,

**Corp. Off.:** D.No.3-6-45/A,  
Plot No. 130, Vivekananda Nagar Colony,  
Kukatpally, Hyderabad – 500 072, Telangana State.  
Phone: 040-48555451  
Email: [info@agrisolindia.in](mailto:info@agrisolindia.in)

### ACETAMIPRID TECHNICAL MATERIAL SAFETY DATA SHEET

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	:	<b>Acetamiprid Technical</b>
IUPAC Name	:	(E)-N <sup>1</sup> -{(6-chloro-3-pyridyl)methyl}-N <sup>2</sup> -cyano-N <sup>1</sup> -methylacetamidine
Manufacturer / Supplier	:	<b>Agrisol (India) Pvt. Ltd.,</b> Sy.No. 164 & 165, Udumulapadu(V), Dhone(M), Kurnool Dist., AP – 518 222.
Emergency Phones	:	040-48555451

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Formulation types	:	Technical material
Active Ingredients	:	Acetamiprid
Chemical Abstracts Name	:	(E)-(N)-[(6-chloro-3-pyridinyl)methyl-N'-cyano-N-methylethanimidamide
IUPAC Name	:	(E)-N <sup>1</sup> -{(6-chloro-3-pyridyl)methyl}-N <sup>2</sup> -cyano-N <sup>1</sup> -methylacetamidine
CAS NO	:	135410-20-7
Chemical Family	:	Neonicotinoid
Molecular Formula	:	C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub>
Molecular Weight	:	222.7



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INGREDIENT	CAS NO #	PROPORTION (w/w)
Acetamiprid	135410-20-7	99.00%
Other Ingredients	Not available	1.00%

#### 3. HAZARDOUS IDENTIFICATION

Emergency overview : Toxic if swallowed and inhaled. Avoid contact with skin and eyes. Toxic to bees.

Routes of entry : Inhalation, ingestion, skin and eye contact.

##### Health Hazards

Inhalation : Toxic if inhaled. Avoid breathing dust or spray mist.

Skin Contact : Harmful if absorbed through skin. Avoid contact with skin or clothing.

Ingestion : Toxic if ingested.

#### 4. FIRST AID MEASURES

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

If ingested : If swallowed, induce vomiting by emptying the



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stomach by gastric lavage followed by administration of activated charcoal and sodium sulphate warm water. Do NOT induce vomiting to an unconscious person. Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.

- Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Removed contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Take Doctor's advise.
- Skin Contact : Immediately wash skin with soap and plenty of water for at least 15 minutes. Repeat washing the skin if irritation persists. Remove contaminated clothing. Wash clothing before reuse.
- Note to physician : No specific antidote. Treat symptomatically.

#### **5. FIRE FIGHTING MEASURES**

- General Information : Toxic if swallowed and inhaled. Avoid contact with skin and eyes. Toxic to bees.
- Routes of entry : Inhalation, ingestion, skin and eye contact.
- Extinguishing media : Dry chemical, alcohol foam, water spray, Carbon dioxide (CO<sub>2</sub>).
- Protective equipment for firefighters : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.



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#### **Health Hazards**

- Inhalation : Toxic if inhaled. Avoid breathing dust or spray mist.
- Skin Contact : Harmful if absorbed through skin. Avoid contact with skin or clothing.
- Ingestion : Toxic if ingested.

#### **6. ACCIDENT RELEASE MEASURES**

- Personal precautions : Personnel handling this material should be thoroughly trained to handle spills and releases. Wear appropriate gear for the situation.
- Environmental precaution : 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.
- Method for cleaning up : Stop leak if it can be done without risk. Sweep up and place in an appropriate closed container. No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washing for disposal. Decontaminate tools and following cleanup.



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#### **7. HANDLING AND STORAGE**

- Handling : Read the label before use. Keep out of reach of children and animals. Personnel handling this product should be thoroughly trained as it is hazardous. Use non-sparking tools and grounded/bonded equipment and container when transferring. Do not breathe dust.
- Storage : Product shall be stored in rooms or premises away from the rooms or premises used for storing particularly food articles or shall be kept in separate almirahs under lock and key.
- Method for cleaning up : Stop leak if it can be done without risk. Sweep up and place in an appropriate closed container. No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washing for disposal. Decontaminate tools and following cleanup.

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Engineering controlled : When engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure controls techniques may be used to effectively minimize



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employee exposures: general area dilution /exhaust ventilation.

#### **Personal protective equipment (PPE):**

Eye / Face Protection : Eye / Face protection requirements will very dependent upon work environment conditions and materials handling practices. 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 : application and other handlers must wear long-sleeved shirts, long pants, chemical resistant, waterproof gloves, and shoes plus stocks 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 : White Powder  
Melting Point : 98.9°C  
Vapour Pressure :  $<1 \times 10^{-3}$  mPa (25°C)  
Specific gravity / Density : 1.330 (20°C)



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#### **10. STABILITY AND REACTIVITY**

Chemical stability	:	Stable under normal conditions.
Conditions to avoid	:	Avoid heat, sunlight and moisture.
Incompatible materials	:	Strong bases, Strong acid and Strong Oxidizing agents.
Hazardous reactions	:	Hazardous polymerization will not occur.

#### **11. TOXICOLOGICAL INFORMATION**

Acute Oral Rat LD <sub>50</sub>	:	Male Rats - 217 mg/kg b.w., Female Rats - 146 mg/kg b.w., Male Mice - 198 mg/kg b.w., Female Mice - 184 mg/kg b.w.
Acute Dermal LD <sub>50</sub>	:	Male & Female Rats - > 2000 mg/kg b.w.
Primary Skin Irritation	:	Non-irritating to skin (Rabbits)
Acute Eye Irritation	:	Non-irritating to eyes (Rabbits)
Skin Sensitization	:	Not a skin sensitizer (Guinea Pigs)
Acute Inhalation LC <sub>50</sub> (4h)	:	For Male & Female Rats - > 0.29 mg/l



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#### 12. ECOTOXICOLOGICAL INFORMATION

Birds LD <sub>50</sub>	:	Mallard Ducks - 98 mg/kg b.w., Bob white Quail - 180 mg/kg b.w.,
Birds LC <sub>50</sub>	:	Bob white Quail - > 5000 mg/kg b.w.
Fish LC <sub>50</sub> (24 - 26 h)	:	For Carp > 100 mg/l
Daphnia	:	LC <sub>50</sub> (24 h) - > 200 mg/l EC <sub>50</sub> (48 h) - 49.8 mg/l
Algae	:	E <sub>r</sub> C <sub>50</sub> (72 h) for <i>Scenedesmus subspicatus</i> > 98.3 mg/l., NOEC (72 h) - 98.3 mg/l
Other Aquatic spp.	:	EC <sub>50</sub> (14 d) for <i>Lemna gibba</i> - 1.0 mg/l
Bees	:	LD <sub>50</sub> (Oral) - 14.5 µg/bee; (Contact) - 8.1 µg/bee
Persistence and degradability	:	Acetamiprid degrades rapidly by aerobic soil metabolism.
Mobility in soil	:	No major issues for soil mobility since low use rate and degradation reduce the amount for offsite movement.

#### 13. DISPOSAL CONSIDERATION

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





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

#### **14. TRANSPORT INFORMATION**

##### **Rail / Road (RIR / ADR)**

Proper Shipping Name : Pesticides, Solid, Toxic, N.O.S.  
Class : 6.1  
UN No. : 2588  
Packing Group : III

##### **Sea - IMDG Code**

Proper Shipping Name : Pesticides, Solid, Toxic, N.O.S.  
Class : 6.1  
UN No. : 2588  
Packing Group : III

##### **Air (ICAO / IATA)**

Proper Shipping Name : Pesticides, Solid, Toxic, N.O.S.  
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#### 15. REGULATORY INFORMATION

EC Classification Hazard Symbol	Xn	Harmful
Special Risk (R-Phrases)	R20	Harmful by inhalation
	R22/52	Harmful if swallowed / Harmful to aquatic organisms
	R 53	May cause long-term adverse effects in the aquatic environment
	R 57	Toxic to bees
Safety Advice (S-Phrase)	S 45	In case of accident or if you feel unwell seek medical advice immediately

#### 16. OTHER INFORMATION

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.*

**Prepared by** : Agrisol (India) Pvt. Ltd.

**Date** : 07.05.2019