Material safety data sheet
ACETAMIPRID 20% SP

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name: ACETAMIPRID 20% SP
Chemical Name: (E)-N1-[6-chloro-3-pyridyl]methyl]-N2-cyano-N1-methyl acetamidine
Brand Name: QVIDICK
Users: Insecticide
Molecular Formula: C_{10}H_{11}ClN_{4}
Manufacturer: CROP LIFE SCIENCE LTD.
Address: Plot No. 5165, 5166, 5151, G.I.D.C., Ankleshwar-393002, Gujarat, India
Tele Fax Number: 91 2646 238479

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cas #</th>
<th>Percent Or Content(W/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetamiprid</td>
<td>135410-20-7</td>
<td>20</td>
</tr>
<tr>
<td>Adjuvants</td>
<td>---</td>
<td>6.5</td>
</tr>
<tr>
<td>Inert carrier</td>
<td>---</td>
<td>To 100.0</td>
</tr>
</tbody>
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3. HEALTH 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.

4. FIRST AID MEASURES

Ingestion: 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.
Eye contact: Hold eye open and rinse slowly and gently with water for 15-20min. remove contact lensens, if present, after the first 5 min, then continue rinsing eye.
5. FIRE FIGHTING MEASURES

Flammability: Non-flammable.
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.

6. ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Ventilate the space involved. Absorb, sweep up, and place in container for disposal. Reduce dust spreading with a water spray. Collect run-off water and transfer to drums or tanks for later disposal. Avoid creating a dusty atmosphere.

Clean up procedures: Transfer to containers, preparatory for later disposal. Avoid generation of dust. Place in non-sparking containers for recovery or disposal. Remove from spill location. Flush area with water spray, collect rinse.

7. HANDLING AND STORAGE

HANDLING PRODUCT: 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.

STORAGE: Store in the closed, original container in a cool, secure, well-ventilated area.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Use good industrial practice to avoid eye contact.
Skin protection: Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.
Respiratory Protection: Avoid breathing dust. Use approved respiratory protection equipment appropriate to the material and/or its components.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: pale blue soluble powder (formulation)
Melting point: Not applicable
Vapor pressure (mPa): Negligible
pH: 7.0 – 9.0 (formulation)
Solubility (g/l) at 25°C: Soluble in water
Molecular formula: C10H11ClN4
Molecular weight: 222.7

10. STABILITY AND REACTIVITY

Stability: Chemically stable under normal storage and handling conditions.
Incompatibility: Strong bases, strong acids, strong oxidizing agents.
Hazard decomposition: None known
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Acute oral: LD50 for rat 1024 mg/kg. Low toxicity.
Acute dermal: LD50 for rat > 2000 mg/kg. Low toxicity.
Acute inhalation: (4 h) LC50 for rat > 2.0 mg/l. Low toxicity.
Irritation: Slightly irritating to rabbit eyes and skin.
Other: Long-term oral studies in animals showed no evidence of carcinogenicity.
12. ECOLOGICAL INFORMATION

Bird toxicity: Acute oral LD50 for bobwhite quail 180 mg/kg. Moderately toxic to birds.

Fish toxicity: LC50 (24-96 hr) for carp >100mg/L. Slightly toxic to fish.
This material is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treat area.

13. DISPOSAL CONSIDERATIONS

For disposal, incinerate this material at a facility that complied with local, state and country regulations.

14. TRANSPORT INFORMATION

Rail/Road (RID/ADR)
Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class: 9.0
UN No.: 3077
Packing Group: III

Sea (IMDG – Code)
Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class: 9.0
UN No.: 3077
Packing Group: III

Air (IATA-DGR)
Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class: 9.0
UN No.: 3077
Packing Group: II

15. REGULATORY INFORMATION

Hazard Symbol Xn Harmful
N Dangerous for the environment

Special Risks (R-Phrases) R22 Harmful if swallowed
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in
the aquatic environment

Safety Advice (S-Phrases)
- S2 Keep out of the reach of children
- S13 Keep away from food, drink and animal feeding stuffs
- S20/21 When using do not eat, drink or smoke
- S36/37 Wear suitable protective clothing and gloves
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheet

International WHO Toxicity Classification
- II Moderately hazardous

16. OTHER INFORMATION

The information contained in this safety data sheet is given in good faith. It is accurate to our best of knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of work place risk as required by other health and safety legislation. Crop Life Science Ltd will not be liable for any claims or damages arising out of use of this information.