

MATERIAL SAFETY DATA SHEET

ALTAIR

Section 1. Chemical Product and Company Identification

HAILIR PESTICIDES AND CHEMICALS GROUP CO., LTD

EAST INDUSTRY ZONE, CHENGYANG DISTRICT, QINGDAO, CHINA

Tel: +086 532 58659125 Fax: +086 532 58659126

Product Name: Acetamiprid 50% WDG

Common Name: Acetamiprid

Chemical Name (IUPAC):

N-[(6-chloro-3-Pyridyl) methyl]-N2-cyanogen-N'-methyl acetamidine

Section 2: Composition/Information on Ingredients

Component	CAS Number	Content
Acetamiprid	135410-20-7	50%
Inserts	Not applicable	50%

Section 3. Hazards Identification

Emergency Overview: Caution. Hazard to humans and domestic animals. Keep out of reach of children.

Section 4. First Aid Measures

Inhalation:

If product has been inhaled, remove the source of contamination or move victim to fresh air. Administer artificial respiration if patient is not breathing; if breathing is laboured give oxygen. Only qualified personnel should administer oxygen. Obtain medical attention for any breathing difficulty.

Skin contact:

Remove contaminated clothing, shoes and leather goods. Wash skin gently and thoroughly with copious amounts of water and non-abrasive soap for 15 – 20 minutes. Obtain medical attention if irritation develops.

Eye contact:

Immediately flush eyes with a stream of clean gently flowing water for at least 15 minutes, holding the eyelid(s) open. Remove contact lenses, if present, after the first 5 minutes. Obtain medical attention if irritation develops.

Ingestion:

Rinse mouth thoroughly with water if person is alert. Have person drink plenty of water if able to swallow. Never give anything by mouth to an unconscious person. Do

not induce vomiting, unless instructed to do so by a physician. If vomiting occurs keep head lower than hips to prevent aspiration. **Immediately obtain medical attention.**

Advice on treatment:

There is no specific antidote available. Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

This material is not flammable.

Hazardous products of combustion:

Product is not explosive, but dust/air mixture may be explosive in the presence of an ignition source. Fire may produce irritating and/or toxic vapours, mists or other products of combustion.

Extinguishing agents:

Extinguish fires with dry powder/dry chemical extinguisher, water fog, foam, carbon dioxide. Avoid the accumulation of polluted run-off from the site.

Fire fighting:

Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Dyke fire control water for later disposal. Do not scatter the material. Avoid pollution of waterways. Contain water used for fire fighting for later disposal. Avoid the accumulation of polluted run-off from the site.

Personal protective equipment:

Fire may produce irritating and/or toxic vapours, mists or other products of combustion. Fire fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus.

Section 6. Accidental Release Measures**Personal precautions:**

Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8.

Environmental precautions:

Do not allow entering of drains or watercourses. Spillage or uncontrolled discharges into water courses (or public waters) to be reported immediately to the Police and to the Department of Water/Environmental Affairs. Considered a Marine Pollutant.

Occupational spill:

Do not touch spilled material; stop leak if you can do it without risk. Keep out unprotected persons and animals.

For spills: Ventilate area of leak or spill. If possible, vacuum clean dust with equipment fitted with HEPA filter. Use dust suppressant such as water if sweeping is necessary. Place the material into a clean, dry container and cover for subsequent disposal. In situations where product comes in contact with water, contain contaminated water for later disposal. Label drums with its content and dispose it in accordance with local regulations. Prevent material from spreading by damming in with absorptive material. Do not flush spilled material into drains. Keep spectators away and upwind. Open burning or dumping of this material is prohibited.

Section 7. Handling and Storage

Handling:

Harmful if in contact with skin and if swallowed. Irritating to eyes and skin. Avoid contact with eyes and skin, and inhalation of spray and vapour. Use with adequate ventilation. Wash hands before eating, drinking, chewing gum, smoking, or using the toilet. Operators should change and wash clothing daily. Remove clothing immediately if the pesticide gets inside. Then wash skin thoroughly using a non-abrasive soap and put on clean clothing. Do not apply directly to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Water used to clean equipment must be disposed of correctly to avoid contamination.

Storage:

Keep out of reach of unauthorised persons, children and animals. Store in its original labelled, tightly closed container in dry, cool and well-ventilated area, away from heat or open flame. Storage temperatures should not exceed 30 °C. Not to be stored next to feed, food and water supplies. Local regulations should be complied with.

Section 8. Exposure Controls/Personal Protection

It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection.

Clothing: Employee must wear appropriate protective (impervious) clothing and equipment to prevent skin contact with this substance. Wear long-sleeved shirt and long pants, chemical resistant foot ware and socks.

Gloves: Employee must wear appropriate chemical-resistant and waterproof gloves to prevent contact with this substance.

Eye protection: The use of safety goggles, safety glasses or face shield is recommended. If vapour exposure causes eye discomfort a full-face respirator is recommended.

Emergency eye wash: Where there is any possibility that an employee's eyes may be exposed to this substance; the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

Section 9. Physical and Chemical Properties

Form: granules

Colour: Light yellow to brown granule

Odour: None.

pH: 5.0~9.0

Dust explosion class: Group A dust.

Minimum ignition energy: 3 - 10 mJ

Oxidizing properties: not oxidizing

Section 10. Stability and Reactivity

Stability: Considered stable under normal temperatures and storage conditions.

Incompatibility: Avoid contact with strong oxidizing agents and strong acids.

Sensitivity: An inert present in the product absorbs moisture from the environment.

Should not be stored at temperatures exceeding 30 °C.

Conditions to avoid: Heat, open flame and sources of ignition.

Corrosiveness: Product is not an oxidizer and is not corrosive to metal.

Hazard polymerization: Will not occur.

Section 11. Toxicological Information

Acute Oral Toxicity: Rat: LD₅₀: 926 mg/kg (male); 794 mg/kg (female)

Acute Dermal Toxicity: Rabbit: LD₅₀: > 2000 mg/kg

Acute Inhalation Toxicity: Rat: LC₅₀: >0.97 mg/L 4 h

Skin Irritation: Rabbit: Non- irritating

Eye Irritation: Rabbit: Non- irritating

Section 12. Ecological Information (Technical)

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.

Section 13. Disposal Considerations

Pesticide disposal:

Waste resulting from the use of this product cannot be re-used or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers.

Comply with local legislation applying to waste disposal.

Container disposal:

Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed. If burning of the container is allowed, stay out of smoke.

TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow draining for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsing to the contents of the spray tank before destroying the container in the prescribed manner.

Do not re-use the empty container for any other purpose but destroy it by perforation and flattening and bury in an approved dumpsite. Prevent contamination of food, feedstuffs, drinking water and eating utensils.

Comply with local legislation applying to waste disposal.

Section 14. Transport Information

UN NUMBER: 3077

ADR/IRD:

Class: 9 Packaging group: III

Shipping name: Environmentally Hazardous Substance, Solid, N.O.S (Acetamiprid 50% WDG)

IMDG/IMO:

Class: 9 Packaging group: III

Shipping name: Environmentally Hazardous Substance, Solid, N.O.S (Acetamiprid 50% WDG)

ICAO/IATA:

Class: 9 Packaging group: III

Shipping name: Environmentally Hazardous Substance, Solid, N.O.S (Acetamiprid 50% WDG)

Considered a marine pollutant.

Section 15. Regulator Information

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

Hazard statement(s)

H301

Toxic if swallowed.

H330

Fatal if inhaled.

Precautionary statement(s)

P260

Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P284

Wear respiratory protection.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P310

Immediately call a POISON CENTER or doctor/ physician.

Supplemental Hazard Statements

none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrases(s)

R23/25

Toxic by inhalation and if swallowed.

R57

Toxic to bees.

S-phrases(s)

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Caution - substance not yet tested completely.

Section 16. Other Information

Disclaimer:

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.

The information provided by HAILIR PESTICIDES AND CHEMICALS GROUP CO., LTD contained herein is given in good faith and to the best of our knowledge. However, no warranty is expressed or implied.

Prepared by: Registration Department

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Disclaimer

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