

MATERIAL SAFETY DATA SHEET

IMIDACLOPRID 70% WDG

1. PRODUCT IDENTIFICATION

1.1 Product Details

Product name: *IMIDACLOPRID 70% WDG*

Molecular Formula: C₉H₁₀ClN₅O₂

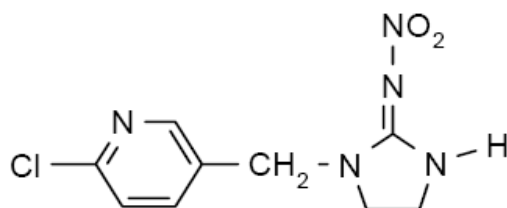
Molecular weight: 255.7

Chemical name : 1-((6-Chloro-3-pyridinyl) methyl)-4, 5- dihydro -N - nitroimidazolidin-2-ylideneamine

Chemical class: Neonicotinoid

Use : Insecticide

Structural formula:



1.2 Company Identification

Name and address: Shandong United Pesticide Industry Co.,Ltd.

Building 1#, Middle Shengli Road, Daxin Village, Fan Town, Daiyue District City, People's Republic of China.

Telephone number: 86-531-86401640

Emergency Telephone number: 86-531-86401640

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Content %
Imidacloprid	70.5
Naphthalenesulfonate	2.0
Polycarboxylate	4.0
Ammonium sulfate	5.0
Corn starch	18.5
In all:100%	

3. HAZARD IDENTIFICATION

Precautionary Statement Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid breathing vapors. Keep out of reach of children.

Potential health effects

Eye contact: Contact with eyes may cause irritation.

Skin contact: Page 1 of 3 Irritation not expected.

Ingestion: Slightly toxic. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Inhalation: May cause irritation of respiratory tract.

Aggravated Medical Conditions: Inhalation may aggravate asthma.

Principle routes of exposure: Skin, Eyes, Inhalation

Target organ effects: Irritation

4. FIRST AID MEASURES

Ingestion :

Induce vomiting after drinking 1-2 glasses of water. Get prompt medical attention.

Eye contact :

Hold eye open and rinse slowly and gently with water 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact :

Remove contaminated clothing and wash skin thoroughly with soap and water. Call a poison control center or doctor for treatment advice.

Inhalation :

Remove victim to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Flammable properties: May burn under fire conditions.

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, chemical foam.

Explosion potential: Dust at sufficient concentrations may form explosive mixtures with air.

Hazardous combustion products: Toxic fumes may be produced.

Fire fighting procedures: Select appropriate method to surround and extinguish fire. Contain run-off as ingredients may be toxic to aquatic organisms.

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for containment: Clean up promptly by sweeping or vacuum.

Methods for cleaning up: Avoid dust formation. Flush with water.

7. HANDLING AND STORAGE

HANDLING : Avoiding breathing dust. Use explosion proof equipment. Check that equipment is properly grounded and installed to satisfy electrical classification requirements. Do not cut, grind or weld on or near containers-explosion hazard. Use grounding and bonding connection when transferring material to prevent static discharges, fire or explosion.

STORAGE: Outside or detached storage is preferable. Avoid temperature extremes during storage; ambient temperature preferred. Store in a well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. Ensure that all storage and handling equipment is properly grounded and installed to satisfy classification requirements. Static electricity may accumulate when transferring

material. All storage containers, including drums, cylinders, must be bonded and grounded during filling and emptying operations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Personal Protective Equipment

Eye/face protection: Eye/face protection is not required, but is recommended in manufacturing situations where contact may occur. Safety glasses with side shields or goggles.

Skin and body protection: Wear suitable protective clothing if contact is anticipated during manufacturing. Chemical resistant gloves.

Respiratory protection: If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes.

General hygiene considerations: Wash hands before breaks and immediately after handling the product

Precautions: Running water/eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Light yellow granule.

pH: 5.74

Density: 0.54 g/ml (20 °C)

Wettability: the product is completely wetting in two minutes without stirring.

Flammability : Non-flammable

Explosive: Non-explosive

10. STABILITY AND REACTIVITY

Chemically Stable: Yes

Conditions to avoid: Damp or wet conditions. Extreme heat.

Materials to avoid: None known.

Hazardous decomposition products: Toxic fumes and gases may be generated.

Possibility of hazardous reactions: Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD₅₀/oral: 926 mg/kg, rat

LD₅₀/dermal: >2000 mg/kg, rat

LC₅₀/inhalation: 1.62 mg/l rat

Eye effects: No-irritation, rabbit

Skin effects: No-irritation, rabbit

Sensitization: Slight-sensitization, guinea pig

Chronic toxicity

Carcinogenic effects: The table below indicates whether each agency has listed any ingredient as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Toxic to aquatic organisms.

Persistence and degradability: Inherently biodegradable.

Bioaccumulative potential: No information available.

Mobility: Water contaminating.

Aquatic toxicity: Toxic to fish and other water organisms.

Additional ecological information: Do not contaminate water sources when disposing of equipment washwaters. Do not apply directly to lakes, streams, or ponds.

13. DISPOSAL CONSIDERATION

Waste Disposal Methods: In accordance with local and national regulations. Read and follow label instructions. Do not place product down any indoor or outdoor drain.

Contaminated packaging: If empty, place in trash or offer for recycling if available. Do not re-use empty containers.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

General Information Contact local authorities for disposal of large quantities of product

R phrases: R23/25-48

S phrases: S2/7/9/13/36/39

16. OTHER INFORMATION

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. See reverse side of invoice or packing slip for additional terms and condition of sale.

Company: Shandong United Pesticide Industry Co., Ltd
Signature : 杨焱青
Date : April 16th, 2012

