



## ULINK AGRITECH PRIVATE LIMITED MATERIAL SAFETY DATA SHEET : PYRAMIT

### 1: IDENTIFICATION

Chemical Name	6-methyl-4-[(E)-pyridin-3-ylmethylideneamino]-2,5-dihydro-1,2,4-triazin-3-one		
Synonyms	Pymetrozine 50% WG	Trade Name	PYRAMIT
Uses	Insecticide	Molecular Formula	C <sub>10</sub> H <sub>11</sub> N <sub>5</sub> O
Manufacturer/ Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	<a href="mailto:info@agrostar.in">info@agrostar.in</a>

### 2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Pymetrozine Technical a.i.	123312-89-0	50.0%
Other ingredients	-	50.0%

### 3: HAZARD IDENTIFICATION

Hazard Classification:	Carcinogenicity, Category 2	Chronic aquatic toxicity, Category 3
Human health Hazard:	H351: Suspected of causing cancer.	
Environmental Hazard:	H412: Harmful to aquatic life with long lasting effects.	
Other Hazard:	May form combustible dust concentrations in air.	

### 4: FIRST AID MEASURES

**General:** Have the product container, label or Safety Data Sheet while seeking medical attention, a poison control center or physician, or going for treatment. First aid personnel should wear appropriate protective equipment during any rescue.

**Inhalation:** Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. Treat respiratory difficulty with artificial respiration and oxygen. Immediately seek medical attention if symptoms are severe or persist.

**Ingestion:** Rinse mouth with water thoroughly and give plenty of water to drink. Do not induce vomiting unless directed by a doctor or a poison control center. If spontaneous vomiting occurs, have patient lean forward with head down to avoid breathing in of vomitus and rinse mouth with water. Seek medical attention or poison control center immediately and show this container or label.

**Skin Contact:** In case of contact with product, gently wipe excess product and wash immediately skin area with plenty of water and soap. Remove and isolate contaminated clothing and shoes. Seek medical attention if irritation persists.

**Eye Contact:** Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

**Note to Physician:** No specific Antidote. Treat symptomatically.

### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide

**Unsuitable Extinguishing Media:** Solid water stream, as it may scatter and spread the fire

**Specific Hazard:** In case of fire, dense black smoke containing Hazardous products of combustion can released and exposure to these decomposition products may be a Hazard: to health.

**Hazardous Thermal (de)composition:** The decomposition products may include toxic gases or vapours.

**Special Procedures:** Collect extinguishing water separately and do not discharge into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Move containers away from area if it can be done without risk. If possible without risk, remove containers from fire zone, cool them with water spray. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Protection of Fire Fighters:** Do not breathe a fumes. Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection..

### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use adequate ventilation. Avoid contact with the skin, eyes and clothing. Use personal protective equipment.

**Environmental Precaution:** Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

**Methods for Cleaning-up:** Clean up mechanically by sweeping or shovelling and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Clean contaminated floors and objects thoroughly with water and detergents. Dispose of in accordance with local regulations. If significant amount of product enters into drain, notify the local authorities.

### 7: HANDLING & STORAGE

**Handling:** Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Wear protective equipments to avoid contact and/or inhalation with the product. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

**Specific Conditions:** Good local ventilation. Avoid dust formation. May form flammable dust-air mixture. Product is combustible powder which can ignite, burn and form explosive mixture with air if not handled correctly. Avoid mixtures of powder in air with flammable solvent vapors.

**Storage:** Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Protect containers from heat, sparks and flame. Keep product away from seeds, fertilizer, foods and animal feeds.

## 8:EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation, containment, and procedures sufficient to maintain airborne levels below the TLV.

Handle in accordance with good industrial hygiene and safety practice.

**General Protection:** Avoid breathing dust, vapours or aerosols. Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

**Personal Protection:** Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

**Respiratory Protection:** Respiratory protection not required. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Use NIOSH/MSHA approved respiratory protection equipment with an N, P or R 95 or HE class filter and an organic vapour cartridge where airborne concentrations are expected to exceed exposure limits.

**Skin Protection:** Wear suitable protective clothing, including long sleeved shirt, long pants, gloves, coveralls, chemical-resistant shoes, and chemical-resistant headgears to avoid skin contact.

**Hand Protection:** Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

**Eye Protection:** Safety glasses with side-shields. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9:PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Granules

**pH :** 7 - 11 (1% aqueous solution)

**Physical State:** Solid

**Odour :** Faint odour

**Colour:** Beige to brown

**Specific Gravity/ Density[g/cc]:** 0.4-0.6

**Melting Point [°C]:** Not Applicable

**Solubility in water:** Dispersible

## 10:STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.

**Conditions to Avoid:** Excessive temperature above 40°C

**Hazardous Decomp. Products:** No hazardous decomposition products known under conditions of normal use. In case of fire, the decomposition products may include toxic gases or vapours.

**Materials to Avoid:** None known

## 11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : >5000

Rat inhalation LC50 [mg/l/4h] : >3.09

Skin irritation (rabbit): Slightly irritant

Dermal (rat) LD50 [mg/kg] : >5000

Skin Sensitization (Guinea Pig): Potential skin sensitizer

Eye irritation (rabbit): Slightly irritant

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Very low acute toxicity

Rainbow trout LC50 (96 hrs)[mg/L]: >100

Daphnia magna EC50(48 hrs) [mg/L]: >100

Algae EC50 (5d) [mg/L]: >100

**Bio-accumulation Potential:** Low bioaccumulation potential

Honey bee LD50 (48 h) [ µg/bee] : > 200

**Persistence, Degradability and Mobility in Soil:** Not persistent in water. Not readily biodegradable. Degradation half-life: 4.8 - 6.3 d. Slightly mobile in soil

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated Packaging:** Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product.

## 14: TRANSPORT INFORMATION

**UN No.** \*

**Proper Shipping Name:** \*

**Land Transport (ADR/RID):** Not Regulated

**Sea Transport (IMO/ IMDG):** Not Regulated

**Air Transport (IATA/ICAO):** Not Regulated  
\* Note: UN3077 & UN3082 - These products may be transported as non-dangerous goods under the special provisions of IMDG code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

## 15: REGULATORY INFORMATION

**Hazard Symbol:** GHS08, GHS09

**Phrase R:** R 22

**Phrase S:** S1/2, S 26, S 35

## 16: OTHER INFORMATION

**DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

----- END -----