

# 河北捷润科技有限公司

## Hebei JRain Technology Co., Ltd.

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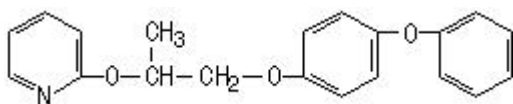
### MSDS OF PYRIPROXYFEN TECHNICAL

#### 1. IDENTIFICATION OF SUBSTANCE

**Product name:** PYRIPROXYFEN

**Chemical name:** 4-phenoxyphenyl (*RS*)-2-(2-pyridyloxy) propyl ether

**Chemical structure:**



**Chemical class:** insecticide

**CAS No.:** 95737-68-1

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredients	CAS No.	Assay %
Pyriproxyfen	95737-68-1	98%

#### 3. HAZARD IDENTIFICATION

**Health effects:**

Oral LD50 rats: > 5000mg/kg (male or female)

Dermal LD50 rat: > 5000mg/kg (male or female)

Irritation of the skin (rabbit): Non-irritant

Sensitisation: Not a sensitiser

Inhalation LC50 (4 hours, rat): > 1300 mg/kg

#### 4. FIRST-AID MEASURES

**Inhalation:** remove person to fresh air. Keep at rest. Seek medical advice if exposure has been more than trivial.

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**Skin contact:** wash off skin immediately with soap and plenty of water. Seek medical advice if irritation persists. Launder contaminated clothing before reuse.

**Eye contact:** Immediately rinse eyes thoroughly, including under eyelids, with running water for at least 15 minutes. Seek medical advice.

**Ingestion:** seek medical advice immediately.

**Symptoms:** No specific symptoms are associated with this product, the product is an insect juvenile hormone analogue and therefore mammalian toxicity is low.

### **Medical attention:**

There is no specific advice given. The main hazards of this product are irritation of the eye and skin.

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

**Extinguishing Media:** Foam, dry chemical or water spray. Do not use water jet from fire hose.

**Precautions for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal protection:**

Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Absorb spill with sand, carth or other inert absorbent. Scoop or shovel into sealable containers for disposal in accordance with applicable local, state and federal regulations.

## **7. HANDLING AND STORAGE**

**Handling storage:** Keep out of reach of children. Avoid contact with the eyes and skin.

**Safe storage:** Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight.

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### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure standards:** No exposure standard has been assigned by the National Occupational Health and Safety Commission.

**Engineering control:** Control process conditions to avoid contact. Use local exhaust ventilation.

**Personal Protective Equipment:**

Eyes: Avoid contact with the eyes. Wear chemical goggles when handling product.

Clothing: Avoid contact with skin. Wear suitable protective clothing must be stored separately from private clothing.

Gloves: Avoid contact with the skin. When preparing spray wear elbow-length PVC gloves.

Respiratory: Do not inhale spray mist.

Other: Wash thoroughly after handling. Do not eat, drink or smoke until after washing. After each day's use wash gloves, goggles and contaminated clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** : white powder

**Melting point** : 45-47°C

**Vapour pressure** : 0.29mPa (20°C)

**Relative density** : 1.23 (25°C)

**Flash point** : >110°C

**PH:** 5.0-8.0

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Non-flammable

**Hazardous polymerisation:** will not occur.

**Conditions to avoid:** Not available

**Incompatible materials:** Avoid oxidising agents.

### 11. TOXICOLOGICAL INFORMATION

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Acute Oral LD50 rat: > 5000mg/kg

Acute dermal LC50 rat: > 2000mg/kg

Inhalation toxicity: LC50 (4 hours, rat): > 1300mg/kg

Skin irritation: Not irritating

Eye irritation: Minimal irritation

Sensitisation: Not sensitising (guinea pig)

### **Potential health effects:**

Inhalation: Inhalation of spray mist may cause irritation of the mucosa.

Skin contact: irritating. May cause defatting of the skin.

Eye contact: will irritate the eyes.

Ingestion: irritating to gastrointestinal tract.

Other: None

### **Chronic Toxicological Effects / Long-Term Exposure**

The toxicity profile of the product indicates that the long-term use of this product should not result in adverse health effects.

## **12. ECOLOGICAL INFORMATION**

Do not feed treated seed or otherwise exposure to wildlife or domestic birds. Do not contaminate streams, rivers or waterways with the chemical, used containers, treated seed or bags which have held treated seed.

Toxicity to fish: Pyriproxyfen is toxic to fish and other aquatic organisms.

Toxicity to algae: Not available.

Bird toxicity: Not available

Bee toxicity: Not available

Other: None

## **13. DISPOSAL CONSIDERATIONS**

Follow Avcare guidelines. Rinse containers before disposal and rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Dispose of the containers in a local authority

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landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

### **14. TRANSPORT INFORMATION**

UN No : 3077

Proper shipping name: Not applicable

Packing group: Not available

### **15. REGULATORY INFORMATION**

Registered according to the Agricultural and Veterinary Chemicals Act 1988

National Registration Authority Approval Number: Not available

### **16. FAO SPECIFICATION**

All the data and information are compliance with FAO specification of Pyriproxyfen technical and formulation.

### **17. OTHER INFORMATION**

This MSDS summaries our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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