



MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

Product PYRIPROXYFEN 10% EC
Intended Use Insecticide
IUPAC Name 4-phenoxyphenyl(RS)-2-(2-pyridyloxy) propyl ether
Chemical class Juvenile hormone mimic

2. CHEMICAL COMPOSITION

Chemical Name	CAS No.	EC No.	Content (%w/w)
Pyriproxyfen	95737-68-1	429-800-1	10%
Other ingredients	-	-	Q.S. to make 100%

3. HAZARDOUS IDENTIFICATION

Adverse health effects May cause skin and eye irritation.
Harmful if swallowed, inhaled or absorbed through the skin. Aspiration hazard, do not induce vomiting, avoid breathing vapour or spray mist. Avoid contact with eyes, skin or clothing.

4. FIRST AID MEASURES

If Ingested Induce vomiting by giving one or two glasses of water. Get a medical attention immediately if the victim is unconscious or having convulsions, never give fluids nor induce vomiting.

Eye contact Immediately flush with sufficient amount of water for at least 15 minutes.

Skin Contact Wash material off the skin in flowing water or shower with soap. If irritation persists, consult a physician immediately.

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Inhalation Remove the victim to fresh air and keep him warm and quiet. Get a medical attention immediately. If not breathing, clear the airway and give artificial respiration. If breathing is difficult, give oxygen.

Note to Physician No specific antidote. Treat supportively and symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media CO₂, Foam, dry chemical, water fog.

Special Fire Fighting Procedures Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment.

Decomposition Products Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear appropriate safety clothing and eye/face protection.

Environmental precautions Do not wash into sewers or into any water body.

Methods for cleaning up the spills Absorb spillage with sand, sawdust, or earth and dispose off safely. If spillage is large, contain it by building a barrier of earth or sand bags. Clean contaminated floors with plenty of water and detergent. Dispose off absorbed material as per local regulations. Puncture containers to prevent reuse.

7. HANDLING AND STORAGE

Handling KEEP OUT OF REACH OF CHILDREN and animals. Prevent eating, drinking, and tobacco use in areas where there is a potential for exposure to the material. Wear full protective clothing and equipment (see Section 8). After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing separately. Keep containers closed when not in use.

Storage Store unused product out of reach of children and animals, away from food, feedstuffs, fertilizers, seed, and water sources. Keep out of direct sunlight. Storage place should be cool, well ventilated, dry, and away from heat. Remove strong bases and oxidants away from the product. Store in closed original container only.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls	Control process conditions to avoid contact. Use local exhaust ventilation.
Ingestion	Do not eat, drink or apply cosmetics, where there is a potential for exposure to the product.
Eyes protection	Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Skin protection	Chemical resistant gloves, coveralls, socks, apron and chemical resistant foot coverings should always be used while handling the product.
Respiratory protection	Always use NIOSH/MSHA approved respiratory protection equipment with a universal filter type including particle filter.
General Protection	Avoid contact with eyes and skin. While handling the product, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and face shield. After use and before eating drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical appearance	Liquid
Colour	Clear transparent
Odour	Aromatic
Density (g/cc)	0.91 ± 0.02
pH	5.0 - 8.0

10. STABILITY AND REACTIVITY

Flash point	> 42°C
Stability	The product is stable for the period of two years, when stored under optimum conditions.
Conditions to avoid	Extreme temperature conditions.
Oxidizing properties	Not an oxidizing or reducing agent
Incompatible materials	The product is not compatible with strong acidic or alkaline materials.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD ₅₀ 2000-5000 mg/kg (Rats)
Acute Dermal Toxicity	LD ₅₀ > 2000 g/kg (Rat)
Acute Inhalation	LC ₅₀ (4 hr) 1.718 mg/l of air (Rat)
Skin irritation	Non-irritant (Rabbit)
Skin Sensitisation	Not a skin sensitizer (Guinea Pig)
Eye irritation	Non-irritant (Rabbit)

12. ECOLOGICAL INFORMATION

Toxicity to chicken	>5000 mg/kg b.wt
Toxicity to Pigeon	5000 mg/kg b.wt
Toxicity to Bee	(LD ₅₀) >200 µg/bee
Toxicity to fish	(LC ₅₀) 1778 mg/l of water
Toxicity to Daphnia	(EC ₅₀) 417 µg/l of water

13. DISPOSAL CONSIDERATIONS

Disposal Method	Triple or preferably pressure rinse containers before disposal. Add rinsings to treatment mixture. Do not dispose off undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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. Dispose off waste product through a reputable waste contractor.
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14. TRANSPORT INFORMATION

ADR/RID Classification	
Proper shipping Name	Pesticide, Liquid, Toxic, Flammable, N.O.S. Flash point not less than 23° C (Contains Pyriproxyfen)
UN No.	2903
Packing Group	III
Hazard Class	6.1(3)

PYRIPROXYFEN 10% EC

IMDG Classification

Proper shipping Name Pesticide, Liquid, Toxic, Flammable, N.O.S. Flash point not less than 23° C
(Contains Pyriproxyfen)

UN No. 2903

Packing Group III

Hazard Class 6.1(3)

IATA/ICAO Classification

Proper shipping Name Pesticide, Liquid, Toxic, Flammable, N.O.S. Flash point not less than 23° C
(Contains Pyriproxyfen)

UN No. 2903

Packing Group III

Hazard Class 6.1(3)

15. REGULATORY INFORMATION

T



Toxic or Very Toxic

N



Dangerous For The Environment

Hazard symbol T, N

Risk Phrase R23/25: Toxic by inhalation and if swallowed
R50/53: Very toxic to aquatic organisms, may cause long term adverse effects
in the aquatic environment

Safety Phrase S(1/2): Keep locked up and out of the reach of children
S 24: Avoid contact with skin
S-28: After contact with skin, wash immediately with plenty of soap-suds
S-36/37/39: wear suitable protective clothing
S-38: In case of insufficient ventilation, wear suitable respiratory clothing
S-45: In case of accident or if you feel unwell, seek medical advice
immediately
S-60: this material and its container must be disposed off as hazardous waste
S-61: avoid release to the environment. Refer to special instructions/ safety
data sheets.

16. OTHER INFORMATION

The information provided in this safety data sheet is believed to be accurate and reliable. The information is offered only as a guide to the handling of this specific material, but uses of this product may vary and situation unforeseen by Parijat may exist. No warranty of any kind is given/ implied and Parijat will not be reliable for any damages, loses, injuries or consequential damages, which may result from the use of or reliance on any information contained herein.

Read the entire MSDS for complete hazard evaluation of this product.

The information provided herein relates to the specific product designated and may not be valid where such product is used in combination in any other material or in any process.

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