



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet PROPICONAZOLE 25% EC

1. IDENTIFICATION OF COMPANY & PRODUCT

Product Name : Propiconazole 25% EC
Chemical Name : 1-[2-(2, 4-dichlorophenyl)-4-propyl-1, 3-dioxolan-2-ylmethyl]-1H-1, 2, 4-triazole
Users : FUNGICIDE
Molecular Formula : C₁₅H₁₇Cl₂N₃O₂
Manufacturer : Shreeji Pesticides Pvt. Ltd.
Address : Plot No. 69/P, Village - Manjusar, Taluka - Savli, Dist. Vadodara - 391775
Gujarat, India :
Tele Fax Number 91 2667 264701

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Percent Or Content(W/W)
Propiconazole a.i.	60207-90-1	25.00 %
Mixture of aromatic hydrocarbons	64742-94-5	60.00 %
Other ingredients	-	to 100

3. HEALTH HAZARDS IDENTIFICATION

Eye contact : The product may cause mild eye irritation
Skin contact : Minimally toxic. The product may cause mild irritation
Ingestion : Harmful
Inhalation : Minimally toxic

4. FIRST AID MEASURES

General : Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from under cooling. IN CASE OF SUSPECTED POISONING: Immediately call a physician.
Eyes : Hold eye open and rinse gently with fresh water for 15-20 minutes. If irritation persists, consult a medical Physician.



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Skin contact	: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
Ingestion	: Give a large quantity of medical charcoal in plenty of water. Seek medical attention if a large column of concentrate was ingested or if irritation should persist.
Inhalation	: Move person to fresh air. Give artificial respiration if required and call ambulance.
Notes to physician	: No specific antidote is known. Apply symptomatic therapy.

5. FIRE FIGHTING MEASURES

Suitable extinguishing Media	: Dry chemical extinguisher, foam, carbon dioxide or water spray (do not use direct jet of water)
Special Hazards During Firefighting	: Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
Protective Equipment For firefighting	: Use self-contained breathing apparatus. Wear protective equipment

6. ACCIDENTAL RELEASE MEASURES

In case of spill or leak : Control the spill at its source. Control the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water. Clean the spills immediately. Cover the entire spill with absorbing material and place into compatible disposal container. Scrub area with hard water detergent. Pickup-wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in disposal containers, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Handling: Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.



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Storage: Store the product in closed original containers. Protect from light. Store separately from feed, food and stimulants.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Inhalation** : In case of heavy exposure, wear gas mask with universal filter
- Eye protection** : Safety goggles or face-shield is recommended.
- Body Protection** : Heavy duty cotton or synthetic fabric working clothes (e.g. overalls). Heavy-duty shoes or boots.
- Hand Protection** : Chemical-resistant gloves.
- Precautionary**
- Measures after work:** Wash thoroughly shower, bathe and wash hair. Change clothing. Thoroughly clean Protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** Pale Yellow color
- Physical** state Liquid
- Odor** Slightly aromatic
- Density** 1.0002
- Flash point** 54o C
- pH** 6.40
- Boiling point** 160o C
- Explosive properties** not explosive
- Flammability** Non-flammable
- Oxidative properties** Non-oxidative
- Storage stability** Stable for 2 years under normal storage conditions

10. STABILITY AND REACTIVITY

- Chemical stability** : Stable under standard conditions
- Hazardous**
- Polymerization** : Will not occur
- Incompatibilities** : Not known



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Instability Conditions : Not known.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity : LD50 (rats) 1000 mg/kg
Acute Dermal Toxicity : LD50 (Rats) > 2,000 mg/kg b.w
Acute Inhalation : LC50 (rats) : >5.695 mg/l
Eye Irritation : Rabbit : Irritant
Skin Irritant : Rabbit : Mild irritant
Other Information : Non-carcinogenic, Non-teratogenic and Non-mutagenic.

12. ECOLOGICAL INFORMATION

Birds : Acute oral LD50 for Mallard ducks: 2510 mg/kg
Japanese quail: 2223 mg/kg
Bobwhite quail: 2825 mg/kg
Dietary LC50 (8 d) for Bobwhite quail and Mallard ducks: > 5260 mg/kg
Japanese quail: >1000 mg/kg

Fish : LC50 (96 h) for Golden orfe: 5.1 mg/l
Rainbow trout 5.3 mg/l

Bees : LD50 (oral and contact) > 100 µg/bee

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Do not reuse product containers. Dispose of product containers, waste containers and residues according to local, state and federal health and environmental regulations.

14. TRANSPORT INFORMATION

Rail/Road (RID/ADR)

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Class : 9.0



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UN No. : 3082

Packing Group : III

Sea (IMDG – Code)

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

Class : 9

UN No. : 3082

Packing Group : III

Marine Pollutant : Yes

Air (ICAO/IATA)

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

Class : 9

UN No. : 3082

Packing Group : III

Packing Instructions : Packing instructions on sea: P001 Packing instructions on air: Y914/914

15. REGULATORY INFORMATION

EU- Classification	Hazard Symbol	Xn N	Harmful Dangerous for the environment
Special Risks (R-Phrases)		R36/38 R65	Irritating to eyes and skin Harmful: may cause lung damage if swallowed
Safety Advice (S- Phrases)		S 2 S13 S20/21 S46 S62	Keep out of the reach of children Keep away from food, drink and animal feeding stuffs When using do not eat, drink or smoke If swallowed, seek medical advice immediately and show this container or label If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
International WHO Classification	Toxicity	III	Slightly hazardous



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16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.

