

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SAFETY DATA SHEET

Paclobutrazol 23% SC

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

- **Product Name:** Paclobutrazol 23% SC
- **Chemical Name:** 1*H*-1,2,4-Triazole-1-ethanol, 6-[(4-chlorophenyl)methyl]- α -(1,1-dimethylethyl)-, (*R,R*)-(+-)-**
- **CAS Number:** 76738-62-0
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

2. HAZARDS IDENTIFICATION

GHS Classification

- **Eye Irritation:** Category 2 (H319) - Causes serious eye irritation
- **Reproductive Toxicity:** Category 2 (H361d) - Suspected of damaging the unborn child
- **Aquatic Toxicity:** Category 1 (H400 - Acute) & Category 1 (H410 - Chronic) - Very toxic to aquatic life

WHO Classification

- **Class III** - Slightly hazardous

Label Elements

- **Signal Word:** Warning
- **Hazard Pictograms:** GHS07 (Exclamation Mark), GHS08 (Health Hazard), GHS09 (Environment)

Hazard Statements

- **H319:** Causes serious eye irritation
- **H361d:** Suspected of damaging the unborn child
- **H410:** Very toxic to aquatic life with long-lasting effects

Precautionary Statements

- **P202:** Do not handle until all safety precautions have been read and understood

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- **P264:** Wash hands thoroughly after handling
- **P280:** Wear protective gloves, protective clothing, and eye protection
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- **P308+P313:** IF exposed or concerned: Get medical advice/attention
- **P501:** Dispose of contents/container as hazardous waste

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage (w/w)
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Paclobutrazol	76738-62-0	23.0%
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Inert Ingredients	N/A	Q.S. to 100%
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4. FIRST AID MEASURES

- **If Inhaled:** Remove person to fresh air. If breathing difficulty persists, seek medical attention.
- **If in Eyes:** Rinse immediately with plenty of water for **at least 15 minutes**. Remove contact lenses and continue rinsing. Seek medical advice if irritation persists.
- **If on Skin:** Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.
- **If Swallowed:** **Do NOT induce vomiting**. Rinse mouth and drink plenty of water. Seek immediate medical attention.

Note to Physician:

- **No specific antidote** available. Provide **symptomatic and supportive treatment**.
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5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Dry chemical, CO₂, foam, or water spray
 - **Hazardous Combustion Products:** Toxic gases such as carbon monoxide (CO), nitrogen oxides (NO_x), hydrogen chloride (HCl)
 - **Protective Equipment:** Self-contained breathing apparatus (SCBA) and protective suit
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6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Wear PPE including gloves, goggles, and protective clothing
 - **Environmental Precautions:**
 - Prevent contamination of soil, surface water, and drains
 - Avoid release into the environment
 - **Cleanup Procedures:**
 - Contain spill with absorbent materials (sand, earth, or clay)
 - Collect waste in labeled containers for proper disposal
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7. HANDLING AND STORAGE

Handling Precautions:

- Avoid inhalation, ingestion, and skin contact
- Do not eat, drink, or smoke while handling the product

Storage Conditions:

- Store in original, tightly closed containers
 - Keep in a cool, well-ventilated place away from food and feed
 - Protect from extreme heat and sunlight
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit	Value
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TWA (8-hour, OSHA)	10 mg/m ³
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Personal Protective Equipment (PPE)

- **Respiratory Protection:** Use an approved respirator in case of inadequate ventilation
- **Hand Protection:** Chemical-resistant gloves (nitrile, rubber, or butyl rubber)
- **Eye Protection:** Safety goggles
- **Skin Protection:** Long-sleeved clothing and protective footwear

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
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Appearance	White to light beige liquid
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Odor	Mild characteristic odor
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pH (1% in water)	7.6 at 25°C
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Density	1.06 g/ml at 20°C
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Solubility in Water	24.8 mg/L at 20°C
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Melting Point	Not determined
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Flash Point	>100°C
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Vapor Pressure	1.9 × 10 ⁻⁶ Pa at 20°C
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10. STABILITY AND REACTIVITY

- Stable under normal conditions
- Avoid strong acids and alkalis
- Decomposes at high temperatures, emitting toxic fumes

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11. TOXICOLOGICAL INFORMATION

- **Oral LD50 (Rat): >5000 mg/kg**
- **Dermal LD50 (Rat): >2000 mg/kg**
- **Inhalation LC50 (Rat, 4h): >5.0 mg/L**
- **Eye Irritation: Causes irritation**
- **Reproductive Toxicity: Suspected of damaging the unborn child**

12. ECOLOGICAL INFORMATION

- **Very toxic to aquatic life**
- **Degradation: Persistent in soil and water**
- **Bioaccumulation Potential: Low (BCF = 44 in fish)**

13. DISPOSAL CONSIDERATIONS

- **Do not dispose in sewers or waterways**
- **Triple rinse empty containers before disposal**
- **Dispose as hazardous waste in accordance with local regulations**

14. TRANSPORT INFORMATION

UN Number 3082

Hazard Class 9 (Environmentally Hazardous)

Packing Group III