

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 40% SC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** Paclobutrazol 40% SC
- **Chemical Name:** (2RS,3RS)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1,2,4-triazol-1-yl)pentan-3-ol
- **CAS Number:** 76738-62-0
- **Product Use:** Plant Growth Regulator
- **Supplier/Manufacturer:** Cocreate Global Technologies Private Limited

2. HAZARDS IDENTIFICATION

Priority Identifiers:

 **Warning** – Keep out of reach of children

Risk Phrases (R-Phrases):

- **R43:** May cause sensitization by skin contact
- **R50/53:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases (S-Phrases):

- **S2:** Keep out of reach of children
- **S24:** Avoid contact with skin
- **S28:** After skin contact, wash immediately with plenty of soap and water
- **S36/37:** Wear suitable protective clothing and gloves
- **S60:** This material and its container must be disposed of as hazardous waste

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage (w/w)
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Paclobutrazol	76738-62-0	40.0%
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Inert Ingredients	N/A	Q.S.
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4. FIRST AID MEASURES

- **If Swallowed:**
 - Call a **Poison Control Center** or **doctor** immediately
 - Give a glass of water if able to swallow
 - **Do NOT induce vomiting** unless instructed by medical personnel
 - Do not give anything to an unconscious person
- **If on Skin or Clothing:**
 - Remove contaminated clothing
 - Rinse skin **immediately with plenty of water** for **15-20 minutes**
 - Seek medical attention
- **If in Eyes:**
 - Hold eye open and **rinse with water** for **15-20 minutes**
 - Remove contact lenses after the first 5 minutes
 - Seek medical attention
- **If Inhaled:**
 - Move the person to fresh air
 - If not breathing, give **artificial respiration**
 - Seek medical attention

Note to Physician:

- **No specific antidote**, treat symptomatically

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5. FIRE-FIGHTING MEASURES

- **Flash Point:** Not applicable
- **Extinguishing Media:** Foam, dry chemical, or water spray
- **Fire & Explosion Hazard:**
 - Can burn in fire, releasing toxic gases
- **Firefighting Instructions:**
 - Evacuate the area, fight fire upwind
 - Minimize water use to prevent environmental contamination
 - **Firefighting Equipment:** Wear self-contained breathing apparatus (SCBA)

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:**
 - Avoid contact with skin and eyes
 - Use protective measures (refer to Section 8)
 - **Environmental Precautions:**
 - Prevent product entry into waterways, sewers, or basements
 - Do not flush into water systems
 - **Cleanup Procedures:**
 - Collect spillage mechanically, place in appropriate containers for disposal
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7. HANDLING AND STORAGE

Handling:

- Use **personal protective equipment (PPE)**
- Maintain **adequate ventilation**
- **Do not eat, drink, or smoke** while handling

Storage:

- Store in **tightly closed containers** in a **cool, ventilated area**
- Keep **out of reach of children**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

- Ensure **adequate ventilation**

Personal Protective Equipment (PPE):

- **Eye Protection:** Tight-fitting **safety goggles**
- **Skin Protection:** **Protective suit & gloves**
- **Hygiene Recommendations:**
 - Wash hands **before eating, drinking, or smoking**
 - Remove contaminated clothing **immediately**
 - Wash gloves **before removal**

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White to off-white liquid
Odor	Sweetish

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Property	Value
pH (1% in water)	5 - 9
Melting Point	Not applicable
Boiling Point	Not applicable
Flash Point	Not applicable
Density	1.05 – 1.10 g/ml
Solubility	No data available
Viscosity	300 - 900 cps

10. STABILITY AND REACTIVITY

- **Reactivity:** Non-reactive
- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, flames, and sparks
- **Decomposition Products:** Toxic and irritant vapors

11. TOXICOLOGICAL INFORMATION

- **Oral LD50 (Rat):** 2900 mg/kg
 - **Dermal LD50 (Rat):** >5000 mg/kg
 - **Inhalation LC50 (Rat, 4h):** 3.95 mg/L
 - **Eye Irritation (Rabbit):** Irritant
 - **Skin Irritation (Rabbit):** Non-irritant
 - **Sensitization (Guinea Pig):** Non-sensitizer
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12. ECOLOGICAL INFORMATION

- **Aquatic Toxicity:**
 - **Fish Toxicity:** 100 mg/L
 - **Bird Toxicity:** 5000 mg/kg
- **Persistence & Degradability:**
 - **Destroyed by soil microorganisms**
 - **Does not bioaccumulate**

13. DISPOSAL CONSIDERATIONS

- **Do not reuse empty containers**
- **Dispose of according to local regulations**

14. TRANSPORT INFORMATION

Parameter	Details
UN Number	3082
Proper Name	Environmentally Hazardous Substance, Liquid
Class	9
Packing Group	III
Marine Pollutant	Yes

15. REGULATORY INFORMATION

- **WHMIS Classification:** Exempt
- **Hazard Statements:**
 - **R20:** Harmful by inhalation

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- **R25:** Toxic if swallowed
- **R36:** Irritating to eyes
- **R43:** May cause sensitization by skin contact

16. OTHER INFORMATION

- **Disclaimer:** Information is based on best knowledge but **does not replace workplace risk assessments.**