

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

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SAFETY DATA SHEET

Tricyclazole Technical

1. Identification

- **Product Name:** Tricyclazole Technical
- **IUPAC Name:** 5-methyl-1,2,4-triazolo[3,4-b][1,3]benzothiazole
- **CAS Number:** 41814-78-2
- **EC Number:** 255-559-5
- **Molecular Formula:** C₉H₇N₃S
- **Synonyms:** Tricyclazole
- **Intended Use:** Fungicide for agricultural applications
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **GHS Classification:**
 - **Acute Toxicity (Oral) - Category 3 (H301):** Toxic if swallowed
 - **Hazardous to Aquatic Life (Acute) - Category 3 (H402):** Harmful to aquatic life
 - **Hazardous to Aquatic Life (Chronic) - Category 3 (H412):** Harmful to aquatic life with long-lasting effects
- **Signal Word:** ⚠ Danger
- **Hazard Pictograms:**
 -  **GHS06 (Toxicity)**
 -  **GHS07 (Harmful effects)**
- **Precautionary Statements:**
 - **P264:** Wash skin thoroughly after handling.
 - **P270:** Do not eat, drink, or smoke when using this product.

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- **P273:** Avoid release into the environment.
- **P301 + P310:** If swallowed, **immediately call a poison center or doctor.**
- **P405:** Store locked up.
- **P501:** Dispose of contents/container in an **approved waste disposal facility.**

3. Composition / Information on Ingredients

Chemical Name	CAS Number	Concentration (%)
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Tricyclazole	41814-78-2	98%
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Other Ingredients	—	2%
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4. First Aid Measures

- **Inhalation:** Remove victim to fresh air. Seek **medical attention if unwell.**
- **Skin Contact:** Wash affected area **with plenty of water and soap.** Remove contaminated clothing.
- **Eye Contact:** Rinse eyes with **plenty of water for at least 15 minutes.** Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth with water, **DO NOT induce vomiting.** Seek **immediate medical help.**
- **Symptoms:** May cause **skin allergies, respiratory distress, nausea, and vomiting.**

5. Fire-Fighting Measures

- **Extinguishing Media:** Water spray (fog), CO₂, dry chemical, foam, sand.
- **Fire Hazards:** May emit **carbon oxides (CO, CO₂), nitrogen oxides (NO_x), and sulfur oxides (SO_x).**
- **Firefighting Equipment:** Use **SCBA (Self-Contained Breathing Apparatus)** and full protective gear.

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6. Accidental Release Measures

- **Personal Precautions:**
 - Wear **protective gloves, goggles, and clothing.**
 - Evacuate **spill areas** and isolate at least **50 meters for solids, 75 meters downwind.**
- **Environmental Precautions:**
 - **Do NOT release into soil or water bodies.**
 - **Use absorbent materials (e.g., sand, vermiculite) for spills.**

7. Handling and Storage

- **Handling Precautions:**
 - Avoid **skin and eye contact.**
 - Keep away from **heat and ignition sources.**
- **Storage Conditions:**
 - Store in a **cool, dry, well-ventilated place.**
 - Keep away from **oxidizers, acids, and bases.**
 - Store at **normal atmospheric temperature.**

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Ensure proper ventilation and exhaust systems.
- **Personal Protective Equipment (PPE):**
 - **Hands:** Butyl rubber or neoprene gloves.
 - **Eyes:** Safety goggles (EN166 standard).
 - **Skin:** Chemical-resistant full-body suit.
 - **Respiratory Protection:** P2-rated respirator or N99 dust mask.

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9. Physical and Chemical Properties

Property	Value
Physical Form	Solid
Appearance	Pale orange powder
Odor	Strong chemical odor
Melting Point	186 ± 0.5°C
Boiling Point	340°C
Flash Point	No data available
Solubility in Water	0.707 g/L (20°C)
Partition Coefficient (Log Pow)	0.998

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Hazardous Reactions:** None known.
- **Incompatible Materials:** Strong oxidizers, acids, and bases.
- **Decomposition Products:** CO, CO₂, NO_x, SO_x.

11. Toxicological Information

Toxicity Parameter	Result
Oral LD50 (Rat)	50-300 mg/kg
Dermal LD50 (Rat)	>2000 mg/kg
Inhalation LC50 (Rat, 4h)	3.70 mg/L

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Toxicity Parameter	Result
Eye Irritation	Mild irritant
Skin Sensitization	May cause allergic skin reaction

12. Ecological Information

- Highly toxic to fish and birds.
| Test Organism | LC50/LD50 Value |
|-----|-----|
| Rainbow Trout (96h) | 7.3 mg/L |
| Bluegill Sunfish (96h) | 16.0 mg/L |
| Daphnia Magna (48h) | >20 mg/L |
| Mallard Duck (Oral LD50) | >100 mg/kg |

13. Disposal Considerations

- Do NOT dispose in sewer systems or soil.
- Use authorized hazardous waste disposal facilities.

14. Transport Information

Transport Mode	Classification
UN Number	2811
Proper Shipping Name	Toxic Solid, Organic, N.O.S. (Tricyclazole)
Hazard Class	6.1 (Toxic Substances)
Packing Group	III

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15. Regulatory Information

- **Complies with major chemical safety regulations (REACH, SEVESO III, etc.).**
 - **Not listed under ozone-depleting regulations.**
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