

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

Tricyclazole 75% WP

1. Identification

- **Product Name:** Tricyclazole 75% WP
- **Chemical Name:** 5-Methyl-1,2,4-triazolo[3,4-b]benzothiazole
- **Molecular Formula:** $C_9H_7N_3S$
- **CAS Number:** 41814-78-2
- **Intended Use:** Fungicide
- **Manufacturer/Supplier:** Cocreate Global Technologies Private Limited

2. Composition / Information on Ingredients

Component	CAS Number	Concentration (%)
Tricyclazole a.i.	41814-78-2	75%
Other Ingredients	—	25%

3. Health Hazard Identification

- **Eye Contact:** Slight irritant.
- **Skin Contact:** Non-irritant.
- **Ingestion:** No specific health effects known from small amounts.
- **Inhalation:** May cause **nasal irritation, tremors, convulsions, and lung irritation** upon heavy inhalation.

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4. First Aid Measures

- **Eye Contact:** Rinse eyes with plenty of water for at least **15 minutes**, keeping eyelids apart.
 - **Skin Contact:** Wash with soap and water; remove contaminated clothing.
 - **Inhalation:** Move to fresh air; apply artificial respiration if needed. Avoid mouth-to-mouth resuscitation.
 - **Ingestion:** Induce vomiting as directed by a **physician**. Seek **immediate medical attention**.
 - **Medical Notes:** **No specific antidote**. Treatment is **symptomatic and supportive**.
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5. Fire-Fighting Measures

- **Flash Point:** Not applicable
 - **Fire and Explosion Hazards:** Toxic fumes may form under fire conditions.
 - **Suitable Extinguishing Media:** Water, CO₂, dry chemical, foam.
 - **Firefighter Protection:** SCBA (Self-Contained Breathing Apparatus) and full protective gear.
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6. Accidental Release Measures

- **Personal Protection:**
 - Wear **chemical goggles, gloves, boots, long sleeves, and a respirator**.
 - **Cleanup Procedures:**
 - Use **absorbents (sand, perlite, or clay)**.
 - **Sweep up carefully** and place in a sealed chemical waste container.
 - **Wash area with detergent and water. Prevent runoff into water sources.**
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7. Handling and Storage

- **Ventilation:** Use local exhaust ventilation.
- **Storage Conditions:**

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- Store in a **well-ventilated, secure area away from food and feed.**
- Prevent **eating, drinking, or smoking** in handling areas.
- Protect from **light and humidity.**

8. Exposure Controls / Personal Protection

- **Breathing Protection:** Respirator or fume hood.
- **Eye Protection:** Chemical-resistant goggles.
- **Skin Protection:** Impervious gloves, long-sleeved clothing.
- **Ingestion:** Wash hands thoroughly after handling.

9. Physical and Chemical Properties

Property	Value
Appearance	Off-white to red fine powder
Odor	None
Boiling Point	Not applicable
Vapor Pressure	0.027 mPa (25°C)
Flammability	Flammable
pH (1% solution)	5.0 - 7.0
Solubility in Water	Dispersible
Bulk Density	0.3 - 0.4 g/cm ³

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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** None known.
- **Hazardous Decomposition Products:** CO, Mercaptan, Hydrazine derivatives when burned.

11. Toxicological Information

Toxicity Parameter	Result
Oral LD50 (Rat)	314 mg/kg
Oral LD50 (Mouse)	245 mg/kg
Dermal LD50 (Rabbit)	>2000 mg/kg
Inhalation LC50 (Rat, 4h)	250 mg/m ³
Eye Irritation (Rabbit)	Mild irritant
Skin Irritation (Rabbit)	Non-irritant
Skin Sensitization (Guinea Pig)	Non-sensitizer

12. Ecological Information

Test Organism	LC50/LD50 Value
Mallard Duck & Bobwhite Quail (Acute Oral LD50, 8d)	>100 mg/kg
Rainbow Trout (96h LC50)	7.3 mg/L
Bluegill Sunfish (96h LC50)	16.0 mg/L
Bees (Acute Oral LD50)	>88.5 µg/bee
Bees (Acute Contact LD50)	>100 µg/bee

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- **Avoid contamination of water sources.**
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13. Disposal Considerations

- **Follow all local, federal, and state regulations for disposal.**
 - **Do NOT dispose of in sewer systems or soil.**
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14. Transport Information

Transport Mode	Classification
Rail/Road (RID/ADR)	Class 6.1 (Toxic Substances)
UN Number	2588
Packing Group	III
Sea (IMDG)	Class 6.1 (Toxic Substances)
Air (ICAO/IATA)	Class 6.1 (Toxic Substances)

15. Regulatory Information

- **EU Classification:**
 - **Xn (Harmful)**
 - **R21/22 (Harmful if in contact with skin or swallowed)**
 - **R40 (Possible carcinogen)**
 - **WHO Toxicity Classification: Class II (Moderately Toxic)**
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16. Other Information

- **Manufacturer Disclaimer:**
 - The information is believed to be accurate but **no warranty is provided**.
 - Users must determine the suitability of the product for their applications.