



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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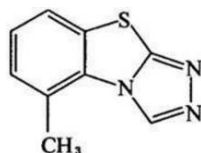
1. Chemical Product Identification

Product Name: Tricyclazole 75% WP

Molecular Formula: C₉H₇N₃S;

Molecular Weight: 189.236 g/mol;

Structural Formula:



Chemical Name: 5-methyl-1,2,4-triazolo[3,4-b][1,3]benzothiazole

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Tricyclazole	41814-78-2	75.0%
Other ingredients		25.0%

3. Hazards Identification

May be harmful if ingested, inhaled, or absorbed through the skin. May cause irritation. To the best of our knowledge, the toxicological properties of this compound have not been fully investigated. Exercise appropriate precautions to prevent opportunities for inhalation, and to prevent direct contact with skin and eyes. All uncharacterized chemicals should be treated as suspected toxins.



4. First Aid Measures

Skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration.

5. Fire-Fighting Measures

Fire extinguishing media: Water spray, foam, carbon dioxide, dry extinguishing media.

Special fire fighting procedures: Fire fighters should use self contained breathing apparatus and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke.

Unusual fire and explosion hazards: Noxious fumes may be emitted under fire conditions.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Do not allow material to enter sewers, surface, ground, water and soil. If contamination occurs inform Authorities.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Contain spill. Absorb spilled product with inert materials. Wash contaminated areas with soda solution, absorb with inert material and send to disposal.

7. Handling And Storage

Handling

Precautions to avoid fire and explosion:

- avoid accumulation of electrostatic charges.
- keep away from flames and sparks. Do not smoke.



Handle under adequate ventilation.

Storage

In original packaging under normal storage condition. Packages should not be exposed to direct sunlight and must be kept unopened and undamaged.

Store in a cool, dry place.

8. Exposure Controls / Personal Protection

Personal protective equipment

Hand protection: Chemical-resistant gloves.

Eye protection: Chemical tight goggles, full faceshield in addition if splashing is possible.

Body protection: Protective suit

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or snuff taking at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical And Chemical Properties

Appearance: Light yellow powder

Odour: Odourless.

Fineness(through 325 mesh): $\geq 98\%$.

Suspensibility: $\geq 70.0\%$.

pH: 6.0-8.0.

Wetting times: ≤ 60 s.

10. Stability And Reactivity

Conditions to avoid: fire and flame, high temperature;

Products to avoid: Incompatible with strong oxidizing and strong alkaline agents.

Hazardous decomposition products: Can decompose at high temperatures forming toxic gases.

Hazardous polymerization: Will not occur.

11. Toxicological Information

Acute oral toxicity: LD₅₀ for rats: 314 a.i.mg/kg.



Acute percutaneous toxicity: LD₅₀ for rabbits >2000 a.i.mg/kg.

Acute inhalation toxicity: LC₅₀ (1h) for rats: 0.146 a.i.mg/L.

Skin irritation: Non irritation for rabbit.

Eye irritation: Slight irritation for rabbit.

Skin Sensitization: Not a skin sensitizer(Guinea Pig).

12. Ecological And Ecotoxicological Information

Effects on birds:

Acute oral LD₅₀ for Bobwhite quail and mallard ducks: >100 a.i.mg/kg.

Effects on fish:

The LC₅₀ value in rainbow trout(96h): 7.3 a.i.mg/L. The LC₅₀ values in bluegill sunfish(96h): 16.0 a.i.mg/L. The LC₅₀ value in Goldfish fingerlings(96h): 13.5 a.i.mg/L.

Effects on fish food specie:

Acute LC₅₀ for Daphnia magna(48h): 2.15 a.i. mg/L.

Effects on bees: The contact LD₅₀ in Honeybee(48 h): >100 a.i.ug/bee. The oral LD₅₀ in Honeybee(48 h): >88.5 a.i.ug/bee.

Effects on Earthworm: LC₅₀(14 days): >1000 a.i.mg/kg d.w.soil.

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

Uncontaminated packaging may be treated as household waste.

14. Transport Information

Not Applicable.

15. Regulatory Information

Not Applicable.

16. Other Information



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All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.