

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name : Tricyclazole 97% TC
Chemical Name : 5-methyl-1,2,4-triazolo[3-4-b][1,3]benzothiazole
Type : Fungicide
Molecular formula : C₉H₇N₃S

2. Composition/Information on ingredients

ChemicalName	CAS#	Percentorcontent(w/v)
Tricyclazole	41814-78-2	97.00%
Other associates	-	3.0%

3. Health Hazards Identification

EMERGENCY OVERVIEW

Effects of Overexposure: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HUMAN HEALTH EFFECTS. MAY CAUSE EYE IRRITATION

EMERGENCY PHONE NUMBER: (800) 424-9300 (CHEMTREC, transportation and spills)

4. First Aid Measures

EYES: Flush with plenty of water. Call a Physician if irritation persists.

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Water Spray, Foam, Dry Chemical, CO₂.

FIRE-FIGHTING PROCEDURES: Firefighters should wear SCBA & full protective clothing.

FIRE & EXPLOSION HAZARDS: None

6. Accidental Release Measures

SPILL RELEASE PROCEDURES: Shovel or sweep up spilled or leaked material and any contaminated ground. Place in a plastic-lined metal drum and dispose of in an approved landfill. Thoroughly rub floor or other impervious surface involved in spill with a strong detergent. Report large spills to: (800) 424-9300 (CHEMTREC, transportation and spills)

7. Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with eyes. Wash thoroughly after handling. Avoid contamination of seed, feed, and foodstuffs.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION:

Use NIOSH/MSHA approved equipment when airborne exposure is excessive.

VENTILATION:

Provide ventilation to minimize exposure.

SUPPLEMENTAL SAFETY AND HEALTH:

PH: 2.5 (1% solution in water)

9. Physical and Chemical Properties

APPEARANCE:	White Crystalline solid
ODOR:	Odorless solid
MELTING POINT:	184-187°C
BOILING POINT:	275°C

10. Stability and Reactivity

STABILITY INDICATOR/MATERIALS TO AVOID: YES

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Galvanized steel or unlined steel, may produce hydrogen gas.

STABILITY CONDITION TO AVOID:

Don't mix. Store or apply in galvanized or unlined steel.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Product can react with caustic (Basic) materials to give heat.

11. Toxicological Information

Oral LD50 (Rat): 314 mg/kg
Dermal LD50 (Rabbit): >2000 mg/kg
Eye Irritation (Rabbit): non irritating
Skin Irritation (Rabbit): non irritating

12. Ecological Information

Toxicity

Toxicity to fish LC50-cyprinus carpio (Carp)-1-17-mg/l-96h

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

13. Disposal Considerations

Product: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated Packaging: Dispose of as unused product.

14. Transport Information

UN-Number: 2811

Class: 6.1

Packing group: III

Proper shipping name: Toxic solids, organic, n.o.s. (Tricyclazole)

Marine pollutant: No

Poison inhalation hazard: No

15.Regulatory Information

OSHA Hazards : Toxic by ingestion

DSL Status : This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

CAS –No.

Tricyclazole 41814-78-2

16.Other Information

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 recipient's sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.