



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

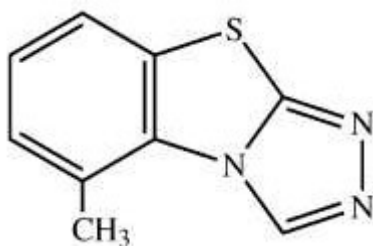
1. Chemical Product and company Identification

Product Name: Tricyclazole

Molecular Formula: C₉H₇N₃S

Molecular Weight: 189.24

Structural Formula:



Chemical Name: 5-methyl-1,2,4-triazolo(3,4-b)-benzothiazole

CAS No.: 41814-78-2

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Tricyclazole	41814-78-2	95.0
Other ingredients		5.0

3. Hazards Identification

Component	Sybol	Rph rases
Tricyclazole	Xn	R22

More important danger for the man: none

Dangers for the environment: be toxic to aquatic

Physical-chemical dangers: not applicable

4. First Aid Measures

If clothing and skin are contaminated, remove the clothes and wash the contaminated skin with copious amount of soap and water.

If eyes are contaminated flush with clean/saline water for about 10-15 minutes.

If swallowed, induce vomiting by tickling the back of throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious.

If inhaled, remove the patient to fresh air for a rest.

5. Fire-Fighting Measures

Extinguishing media

To be used: water spray, foam, dry chemical powder and carbon oxide.

Don't use: not applicable

Particular risk: not applicable

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

6. Accidental Release Measures

Personal precautions: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: pick up for sweeping or aspiration avoiding the powder formation. Transfer to a properly labelled deposit that will be closed and sealed until the recovery of elimination of the product.

Environmental precautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling and Storage

Precautions:

Keep away from foodstuffs, empty foodstuff containers and animal's food.

Avoid contact with mouth, eyes and skin.

Avoid inhalation the spray mist. Spray in the direction of wind.

Do not eat, chew, drink, or smoke tobacco while spraying.

Wash thoroughly the contaminated cloths and parts of the body after spraying.

Wear full protective clothing while mixing and spraying.

Storage: The packages containing the insecticide shall be stored in separate rooms or premises, away from the room and premises used for storing other articles or shall be kept in separate almirahs under lock and key depending on the quantity. Premises meant for storing insecticide shall be well lit, dry, well ventilated and of sufficient dimensions to avoid contamination with vapour.

Technical protective measures: store in original container only in cool, dry, well-ventilated, secure area out of reach of children and animals.

Fire and explosion protection: see 5.

8. Exposure Controls / Personal Protection

Personal protective equipment:

Respiratory protection: approved respirator

Protective gloves: chemical resistant gloves

Eye protection: goggles

Industrial hygiene: use good industrial hygiene. Wear face shield or goggles, elbow length PVC gloves, cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust and vapour cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. Physical and Chemical Properties

Appearance: Gray or light yellow to brown powder.

Odor: odorless

Melting point: 187-188°C

Bulk density: 0.40 – 0.50

pH value: 5.5-6.0

Flash point: nonflammable

Vapour Pressure: 0.027mPa(25°C)

Solubility: in water at 25, 1.6g/l. In acetone 10.4, methanol 25, xylene 2.1 (all in g/l, 25).

10. Stability and Reactivity

Conditions to avoid: fire and heat

Products to avoid: Not applicable;

Thermal decomposition: not applicable

Hazardous decomposition products: not applicable

Hazardous reaction: none

11. Toxicological Information

Acute toxicity: Moderately Hazardous

Acute oral: Tech (mouse): LD₅₀ 250 mg/kg ; (rat): LD₅₀ 314 mg/kg

Acute dermal: Acute percutaneous LD₅₀ for rabbits >2000 mg/kg

Inhalation toxicity: LC₅₀ for rats is 0.146 mg/l diet

Eye irritation: severe irritant to eye

Sensitisation: non-sensitising

Sharp toxicity: not applicable

There were no indications of tricyclazole having mutagenic effects, primary embryotoxic effects, teratogenic effects or adverse effects on reproductive performance.

Attention: if poisoning, person has headache, dizziness, nausea, vomiting and convulsions.

12. Ecological Information

Tricyclazole is mid-toxic to birds. Acute oral LD₅₀ for Bobwhite quail and mallard ducks >100mg/kg.

Fish: LC50 (96 h) for bluegill sunfish 16.0, rainbow trout 7.3, goldfish fingerlings 13.5 mg/l.

Tricyclazole is low toxic to bees. It can be negligible.

13. Disposal Considerations

Product: pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

14. Transport Information

Class: 6.1

UN No: 3027

Packaging Group III

15. Regulatory Information

Safety Phrases: Keep out of reach of children

Keep away from food, drink and animal feeding stuff

Do not breathe spray

When using do not eat, drink or smoke

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible)

Use appropriate containment to avoid environmental contamination

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.