



Hangzhou Tianlong Biotechnology Co., Ltd.

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

MATERIAL SAFETY DATA SHEET

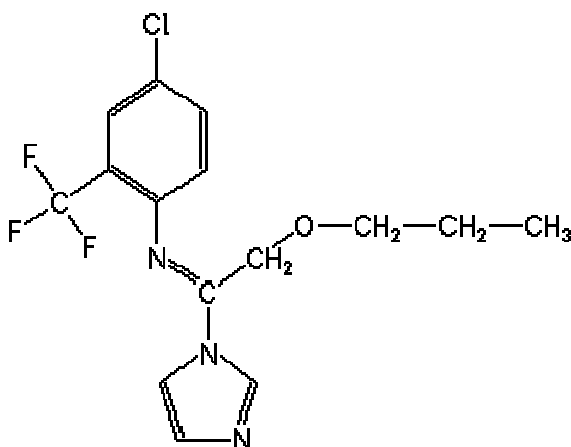
1. Chemical Product and company Identification

Product Name: Triflumizole

Molecular Formula: C₁₅H₁₅ClF₃N₃O

Molecular Weight: 345.7

Molecular Structure:



Chemical Name: 1-[(1*E*)-1-[[4-chloro-2-(trifluoromethyl)phenyl]imino]-2-propoxyethyl]-1*H*-imidazole

CAS No.: 99387-89-0

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

Address: Room 1906, Fengqi Times Tower, No.338 Fengqi East Road, Hangzhou, China, 310020

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Triflumizole	99387-89-0	95.0
Other ingredients		5.0

3. Hazards Summarizing

Emergency overview: Warning! Harmful if swallowed.

Harmful by inhalation. Harmful if absorbed through skin.

May cause skin sensitization.

4. First Aid Measures

Eye Contact: If this product comes in contact with the eyes: Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

Skin Contact: If skin contact occurs: Immediately remove all contaminated

clothing, including footwear. Flush skin and hair with running water (and soap if available).

Inhalation: If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested.

Ingestion: If swallowed, refer for medical attention, where possible, without delay. Where medical attention is not immediately available or where the patient is more than 15 minutes from a hospital or unless instructed otherwise.

5. Fire-Fighting Measures

Extinguishing Media: Dry chemical powder, foam, CO₂

Special fire fighting procedures: Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters: Body covering protective clothing, full "turn-out" gear. Self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions: Wear suitable protective equipment. Avoid contact with eyes and skin.

Environmental precautions: Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Observe government regulations.

Small spills: Absorb on inert material such as sand, earth, vermiculite. Collect for disposal.

Large spills: Dike to contain spill. Pump excess material into suitable container (metal drums, metal tank, or such).

7. Handling and Storage

Handling: Do not get in eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling.

Storage: Keep container closed. Store in a cool, dry place.

8. Exposure Controls/Personal Protection

Engineering controls: Use in a well-ventilated area only.

Personal Protective Equipment:

To avoid eye and skin contact, wearing the following personal protective clothing and equipment is recommended:

Eyes: Safety goggles or face shield

Clothing: Cotton overalls buttoned to the neck and wrist and a washable hat.

Gloves: Elbow length PVC gloves.

Respiratory: Respiratory protection is not normally required. If airborne concentrations are likely to exceed the exposure standard above, an AS/NZS 1715/1716 approved respirator should be worn.

Other: After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles or face shield and contaminated clothing.

9. Physical and Chemical Properties

Appearance: Colorless crystals.

Melting Point: 63.5°C.

Vapour Pressure: 0.185mPa(25°C).

Solubility: Soluble in water 12.5g/L at 20°C

10. Stability and Reactivity

Stability: Instability under strong acid

Reactivity date: No dangerous reaction known under normal conditions of use.

Decomposition products: Oxides of carbon and nitrogen under burning conditions.

11. Toxicological Information

Acute toxicity:

Oral (female rat) LD₅₀: >659mg/kg

Dermal (rat) LD₅₀: >5000mg/kg

Eye effect: Mild irritation (rabbit)

12. Ecological Information

This product is toxic to fish and slightly toxic to birds. No adverse effects on avian species have been seen in acute tests. It is no toxic to bees.

Trout: 96hr LC₅₀-0.58mg/l

Bluegill sunfish: 96hr LC₅₀-1.2mg/l

Daphnia: 48hr EC₅₀-1.4mg/l

Carp: 96hr LC₅₀-0.76mg/l

Quail: LC₅₀->2510mg/kg

Quail: LC₅₀->5620ppm

Duck: LC₅₀->5620ppm

13. Disposal Considerations

Triple or, preferably, pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on- site. Break, crush or puncture and bury empty containers in local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

Empty containers or product should not be burnt.

14. Transport Information

Class: 9

UN No.: 3077

Packing 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 recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.