



Hangzhou Tianlong Biotechnology Co., Ltd.

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

MATERIAL SAFETY DATA SHEET

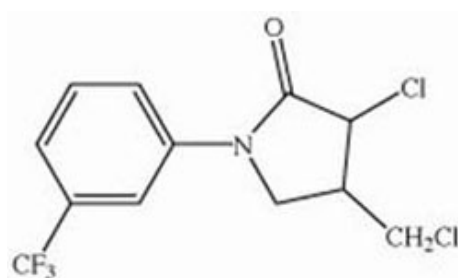
1. Chemical Product and company Identification

Product Name: Fluorochloridone

Molecular Formula: C₁₂H₁₀Cl₂F₃NO

Molecular Weight: 312.11

Structural Formula:



Chemical Name: (3RS,4RS; 3RS, 4SR)-3-chloro-4-chloromethyl-1-(a,a,a-trifluoro-m-tolyl)-2-pyrrolidinone (in ratio 3:1)

CAS No.: 61213-25-0

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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

Tel: 0086-571-87214516

Fax: 0086-571-87079476

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Fluorochloridone	61213-25-0	95.0
Other ingredients		5.0

3. Hazards Identification

Fire: Combustible under specific conditions.

More important danger for the man: none

Physical-chemical dangers: none

4. First Aid Measures

Skin: Remove contaminated clothes. Wash skin with water and soap. Refer for medical attention.

Eyes: First rinse with plenty of water for several minutes, then take to a doctor.

Inhalation: If inhaled, remove to fresh air and keep at rest. Obtain medical advice. If breathing stops or shows signs of failing, start artificial respiration. If advised by doctor or Poisons Information Centre, atropine tablets may be administered.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give a glass of water. Keep patient at rest and seek medical advice immediately, as above. Transport patient tablets may be administered.

Notes to physician: No specific antidote if ingested. Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media: water spray, powder.

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

Environmental cautions

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

6. Accidental Release Measures

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

Cleaning methods: none

Environmental cautions: none

7. Handling And Storage

Storage: Store at normal temperatures, away from children, domestic animals, food and feed products, seed and fertilizer.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: Approved respirator

Protective gloves: Rubber gloves

Eye protection: Safety goggles or face shield.

Industrial hygiene: adequate ventilation.

9. Physical And Chemical Properties

Form: crystalline powder

Color: brownish

Odor: with a garlic-like odor;

Melting point: 42–73°C.

Density: 1.53g/ml.

Water solubility: 10 mg/l at room temperature

Other solubility: ethanol 100 g/l, kerosene <5 g/l. Readily soluble in acetone, chlorobenzene, xylene.

pH value: 5-8

Ignition temperature: not applicable

10. Stability And Reactivity

Conditions to avoid: fire and flame, high temperature;

Products to avoid: none.
Thermal decomposition: none
Hazardous decomposition products: none
Hazardous reaction: none

11. Toxicological Information

Contact with the skin: slight irritant to skin

Contact with the eyes: slight irritant to eye.

Inhalation: not applicable

Ingestion: not applicable;

(Rat): LD₅₀ 4000 mg/kg (male); 3650 (female). Inhalation LC₅₀ (4 h) >0.121 mg/l air. (Rabbit): Dermal LD₅₀ >5000 mg/kg

12. Ecological Information

Fish: LC₅₀ (96h) for Blue sai: 5mg/l

LC₅₀ (96h) for Rainbow trout: 4mg/l

Bee: LD₅₀ (oral): <0.1 mg/bee

LD₅₀ (contact): <0.1 mg/bee

13. Disposal Considerations

Spillage disposal: Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

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.