



**Hangzhou Tianlong Biotechnology Co., Ltd.**

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

## MATERIAL SAFETY DATA SHEET

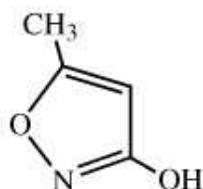
### 1. Chemical Product and company Identification

Product Name: Hymexazol

Molecular Formula: C<sub>4</sub>H<sub>5</sub>NO<sub>2</sub>

Molecular Weight: 99.15

Structural Formula:



Chemical Name:

3-hydroxy-5-methylisoxazole; 5-methyl isoxazol-3-ol

CAS No.: 10004-44-1

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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### 2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Hymexazol	10004-44-1	97.0
Others ingredients		3.0

### 3. Hazards Identification

Route of entry: Inhalation, eye

Contact with the skin: no irritant to skin

Contact with the eyes: mild irritant to eye and mucous membranes.

### 4. First Aid Measures

Skin: Remove contaminated clothes. Rinse and then wash skin with plenty of water immediately.

Eyes: Rinse with plenty of water for several minutes (remove contact lenses if easily possible) immediately.

Ingestion: If swallowed induce vomiting by tickling the back of throat. Be quiet and call a physician

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

## **5. Fire-Fighting Measures**

Extinguishing media

To be used: Powder, foam, and sand.

Don't use: Not applicable

Particular risk: None

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

## **6. Accidental Release Measures**

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

Cleaning methods

EX: The empty container may be decontaminated by rinsing two or three times with water and detergent and scrubbing the sides.

Environmental cautions

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

## **7. Handling And Storage**

Handling: Do not apply to humans, their clothing, or bedding. Do not contaminate food or use on household tanks.

Storage: Store at normal temperatures, away from children, domestic animals, food and feed products, seed and fertilizer. Do not contaminate other stored products or the storage area by handling or storage of this product. Keep in a well-ventilated room.

## **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: crystals

Color: colorless

Odor: slight special odor

Melting point: 87°C.

Vapour Pressure: 0.133Pa at 25°C

Density: 0.551;

Water solubility: 58.2g/L (pH 3, 20°C)

Other solubility: In methanol 968, acetone 730, ethyl acetate 437, hexane 12.2, toluene 176, dichloromethane 602 (all in mg/l, 20°C).

PH value:6-9;

Flash point: non-inflammable;

#### **10. Stability And Reactivity**

Stability: stable under alkaline conditions, and relatively stable under acidic conditions. Stable to light and heat.

Incompatibility(Materials to Avoid):None known

Hazardous polymerization :polymerization will not occur

Hazardous reaction: Not applicable

#### **11. Toxicological Information**

Contact with the skin: no irritant to skin

Contact with the eyes: mild irritant to eye and mucous membranes.

Inhalation: LC<sub>50</sub> (4h×14d) for rats>2.59 mg/l;

Oral: Acute oral LD<sub>50</sub> for male rats 4800, female rats 4050, male mice 2230, female mice 2000 mg/kg;

Effects for chronic toxicity:

Mutagenicity: Studies have shown that Hymexazol is not mutagenic

Teratogenicity: No teratogenic effects were observed when rats were given test dosage.

Carcinogenic: Non-carcinogenic;

#### **12. Ecological Information**

Aquatic organisms: LC<sub>50</sub> ( 96 h) for rainbow trout 460 mg/l, (48 h) for carp 165 mg/l.

Bird: Acute oral LC<sub>50</sub> for Japanese quail 1085, mallard ducks>2000mg/kg, Other Animals (Non-target species)

Bee: Not hazardous to bees. LD<sub>50</sub> (48 h, oral and contact) >100µg/bee

Earth worms: LC<sub>50</sub> (14 d) >15.7 ppm.

#### **13. Disposal Considerations**

Material which can not be used at the site should be disposed of in an approved waste disposal facility following all applicable Local regulations. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or containers.

#### **14. Transport Information**

Class: 6.1

UN No.: 2588;

Packing group: III

#### **15. Regulatory Information**

Safe phrase: Keep locked up and out of reach children.

Keep away from food, drink and animal feeding stuffs.

Do not breathe vapour/spray.

Avoid contact with skin and eyes.

Wear suitable protective clothing, gloves and eye/face protection.

Avoid release to the environment.

#### **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.