



## MEDICAL ISOTOPES, Inc.

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### SAFETY DATA SHEET

#### SECTION 1. Identification

**Product:**

Product Name: Tebuconazole  
Catalog number: 31075

**Supplier:**

Medical Isotopes, Inc.  
100 Bridge Street  
Pelham, NH 03076 USA  
Tel: +1-603-635-2255 Fax: +1-603-635-2448  
Email: [info@medicalisotopes.com](mailto:info@medicalisotopes.com)

**Suitability:**

For laboratory use only.

#### SECTION 2. Hazard(s) identification

**Hazard classification:**

Acute toxicity, Oral (Category 4), H302  
Reproductive toxicity (Category 2), H361

**Signal Word:**

Warning

**Hazard Statements:**

H302 Harmful if swallowed.  
H361 Suspected of damaging fertility or the unborn child.

**Pictogram:**



**Precautionary Statements:**

P264 Wash skin thoroughly after handling.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P330 Rinse mouth.

**Other hazards:**

None

#### SECTION 3. Composition/Information on Ingredients

**Chemical name:**

$\alpha$ -[2-(4-Chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol

**Synonyms:**

(+/-)-Tebuconazole; Atlas; BAY-HWG 1608; Corail; Elite; Ethyltrianol; Etiltrianol; Fenetrazole; Folicur;  
Folicur 200EC; HWG 1608; Horizon; Microban TZ; Orius; Ra

**CAS number:**

107534-96-3

**Impurities/Additives:**

N/A

#### SECTION 4. FIRST AID MEASURES

**Skin Contact:** Wash with soap and water for several minutes. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** Remove from exposure and move to fresh air immediately. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water. Consult a physician.

#### SECTION 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media**

Use water spray, foam, dry chemical or carbon dioxide.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** Carbon oxides, nitrogen oxides, hydrogen chloride gas.



## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Make sure to wear appropriate protective equipment as listed in section 8. Avoid breathing dust, vapors, or mists.

**Spill Clean-up Methods:** Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with a non-combustible material (e.g. sand, earth, diatomaceous earth), sweep up, and place into a suitable container for disposal. Avoid breathing the resulting dust.

## SECTION 7. HANDLING & STORAGE

**Usage/Handling Precautions:** Make sure to wear appropriate PPE as listed in section 8. Avoid contact with skin and eyes.

**Storage Conditions:** Keep tightly closed in a dry and well-ventilated place. Store at room temperature.

## SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering Controls:** Use fumehood if available.

### Personal Protective Equipment

Eyes: Always wear safety glasses when working with chemicals. Wear chemical goggles when working with liquids.

Skin: Wear protective gloves and a lab coat to prevent skin exposure.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid

**Odor:** N/A

**pH:** 6 at 20 °C

**Melting Point:** 102 °C

**Water Solubility (%):** N/A

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

**Autoignition Temperature (°C):** N/A

**Flammability Limits in Air (% by Vol.):** N/A

## SECTION 10. STABILITY & REACTIVITY

**Reactivity:** N/A

**Chemical Stability:** Stable under recommended storage conditions

**Conditions to Avoid:** Strong oxidizing agents.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Inhalation:** LC50 Inhalation - rat - 4 h - > 800 mg/m<sup>3</sup>

**Ingestion:** LD50 oral - rat 1700 mg/kg ; chicken 4488 mg/kg

**Skin and eye contact:** LD50 dermal - rat >5000 mg/kg

**Other:** N/A

## SECTION 12. ECOLOGICAL INFORMATION

N/A

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Procedures:** Via licensed disposal company. Dispose of according to federal, state/province and local regulations.

## SECTION 14. TRANSPORT INFORMATION

**IATA**

**UN number:** 3077

**Class:** 9

**Packing group:** III

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol)

## SECTION 15. REGULATORY INFORMATION

N/A



***MEDICAL ISOTOPES, Inc.***

**SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 7/1/2015.

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