1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Efinaconazole
Catalog No.: HY-15660
CAS No.: 164650-44-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company: MedChemExpress USA
Tel: 609-228-6898
Fax: 609-228-5909
E-mail: sales@medchemexpress.com

1.4 Emergency telephone number

Emergency Phone #: 609-228-6898

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Reproductive toxicity (Category 2), H361

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Warning
Hazard statement(s)
H361 Suspected of damaging fertility or the unborn child
Precautionary statement(s)

Prevention
P203 Obtain, read and follow all safety instructions before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response
P318 If exposed or concerned, get medical advice.

Storage
P405 Store locked up.

Disposal
P501 Dispose of contents/container to in accordance with local regulation.

2.3 Other hazards
None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: KP-103

Formula: \( \text{C}_{18}\text{H}_{22}\text{F}_{2}\text{N}_{4}\text{O} \)

Molecular Weight: 348.39

CAS No.: 164650-44-6

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact
Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

Skin contact
Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

Inhalation
Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Ingestion
Wash out mouth with water; Do NOT induce vomiting; call a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2).

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

5.2 Special hazards arising from the substance or mixture

During combustion, may emit irritant fumes.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES
6.1 Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

6.2 Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Recommended storage temperature:

- Powder
  - -20°C  3 years
  - 4°C  2 years
  - In solvent
    - -80°C  2 years
    - -20°C  1 year

Shipping at room temperature if less than 2 weeks.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

| Eye protection         | Safety goggles with side-shields. |
| Hand protection        | Protective gloves.                |
| Skin and body protection | Impervious clothing.             |
| Respiratory protection | Suitable respirator.             |
| Environmental exposure controls         | Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible. |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
### Appearance
Solid

### Odor
No data available

### Odor threshold
No data available

### pH
No data available

### Melting/freezing point
No data available

### Boiling point/range
No data available

### Flash point
No data available

### Evaporation rate
No data available

### Flammability (solid, gas)
No data available

### Upper/lower flammability or explosive limits
No data available

### Vapor pressure
No data available

### Vapor density
No data available

### Relative density
1.26g/cm³

### Water Solubility
No data available

### Partition coefficient
No data available

### Auto-ignition temperature
No data available

### Decomposition temperature
No data available

### Viscosity
No data available

### Explosive properties
No data available

### Oxidizing properties
No data available

### 9.2 Other safety information
No data available.

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity
No data available.

#### 10.2 Chemical stability
Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions
No data available.

#### 10.4 Conditions to avoid
No data available.

#### 10.5 Incompatible materials
Strong acids/alkalis, strong oxidising/reducing agents.

#### 10.6 Hazardous decomposition products
Under fire conditions, may decompose and emit toxic fumes.
Other decomposition products - no data available.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Acute toxicity
**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**
No data available.

**12.2 Persistence and degradability**
No data available.

**12.3 Bioaccumulative potential**
No data available.

**12.4 Mobility in soil**
No data available.

**12.5 Results of PBT and vPvB assessment**
PBT/vPvB assessment unavailable as chemical safety assessment not required or not conducted.
12.6 Other adverse effects
   No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
   Product
   Dispose substance in accordance with prevailing country, federal, state and local regulations.
   Contaminated packaging
   Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

14. TRANSPORT INFORMATION

   DOT (US)
   Proper shipping name: Not dangerous goods
   UN number: -
   Class: -
   Packing group: -

   IMDG
   Proper shipping name: Not dangerous goods
   UN number: -
   Class: -
   Packing group: -

   IATA
   Proper shipping name: Not dangerous goods
   UN number: -
   Class: -
   Packing group: -

15. REGULATORY INFORMATION

   SARA 302 Components:
   No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

   SARA 313 Components:
   This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

   SARA 311/312 Hazards:
   Chronic Health Hazard.

   Massachusetts Right To Know Components:
   No components are subject to the Massachusetts Right to Know Act.

   Pennsylvania Right To Know Components:
   No components are subject to the Pennsylvania Right to Know Act.
New Jersey Right To Know Components:
No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components:
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Copyright 2023 MedChemExpress. The above information is correct to the best of our present knowledge but does not purport to be all inclusive and should be used only as a guide. The product is for research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The burden of safe use of this material rests entirely with the user. MedChemExpress disclaims all liability for any damage resulting from handling or from contact with this product.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898       Fax: 609-228-5909       E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA