

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

#### Product identifiers

Product Name: 4-tert-Butylpyridine

CAS No.: 3978-81-2

Product Code: HR012345

#### Relevant identified uses of substance and uses advised against

Recommended use: For research and laboratory use, and manufacture new substances only.

#### Details of the supplier of the safety data sheet

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### SECTION 2: HAZARDS IDENTIFICATION

#### Emergency overview

According to OSHA: Irritant

#### GHS classification of the substance

Harmful by inhalation, Skin irritation, Eyes irritation, Respiratory system irritation

#### Hazard statements

H312: Harmful in contact with skin

H319: Causes serious eye irritation

H335: May cause respiratory irritation

#### Precautionary statements

P210: Keep away from heat/sparks/open flames/hot surfaces.-No smoking.

P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Synonyms: 4-(1,1-Dimethylethyl)pyridine; Pyridine,4-(1,1-diMethylethyl)-

CAS No.: 3978-81-2

Purity: 99%+

Formula: C9H13N

Molecular Weight: 135.21

### SECTION 4: FIRST AID MEASURES

#### Description of first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Indication of any immediate medical attention and special treatment needed.

No data available

### SECTION 5: FIREFIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary.

#### Further information

No data available

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

#### Environmental precautions

Do not let product enter drains, and discharge into the environment must be avoided.

#### Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

### Conditions for storage, including any incompatibilities

Store in a cool and dry place. Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering controls

Generally industrial hygiene practice.

### Personal protective equipment

Use equipment for eye protection tested and approved.

Handle with gloves. Gloves must be inspected prior to use.

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Wash thoroughly after handling and wash contaminated clothing before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Odor: no data available

PH: no data available

Melting point: no data available

Freezing/melting point: N/A

Boiling point: N/A

Flash point: no data available

Upper/lower explosive limits: no data available

Vapor pressure: no data available

Water solubility: no data available

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical stability

Stable under recommended temperatures and pressures.

### Possibility of hazardous reactions

Hazardous reactions formed under fire conditions, Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

### Conditions to avoid

High temperatures, sparks, open flames and live electrical circuits.

### Incompatible materials

Oxidizing agents, strong acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Acute toxicity: No data available  
Skin corrosion/irritation: No data available  
Serious eye damage/eye irritation: No data available  
Respiratory or skin sensitization: No data available  
Reproductive toxicity: No data available  
Aspiration hazard: No data available

### Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Ingestion; May be harmful if swallowed.  
Skin: May be harmful if absorbed through skin. May cause skin irritation.  
Eyes: Causes eye irritation.

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available.  
Persistence and degradability: No data available.  
Mobility in soil: No data available.  
Results of PBT and vPvB assessment: No data available.  
Other adverse effects: No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Product

Follow local and national administration regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

### UN proper shipping name

ADR/RID: Not dangerous goods  
IMDG: Not dangerous goods  
IATA: Not dangerous goods

### Special precautions for user

No data available

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance**

No data available

**Chemical safety assessment**

No data available

**SECTION 16: OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of product. No warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Hefei Hirisun Pharmatech Co., Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.