

# Material Safety Data Sheet (MSDS)

## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Product name : Lazertinib  
CAS No. : 1903008-80-9

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

Company: Chongqing Jooe Co., Ltd.  
Add: NO.18, Wujiang Road, Wulidian Street, Jiangbei District, Chongqing, China  
Tel: +86-23-6139-8061  
Fax: +86-23-6139-8061  
E-mail: info@jooe.com

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion/irritation (Category 2),H315  
Sensitisation, skin (Category 1, 1A, 1B),H317  
Serious eye damage/eye irritation (Category 1),H318  
Sensitisation, respiratory (Category 1, 1A, 1B),H334  
Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3),H335  
Germ cell mutagenicity (Category 2),H341  
Reproductive toxicity (Category 2),H361  
Specific target organ toxicity, single exposure (Category 1),H370  
Hazardous to the aquatic environment, long-term hazard (Category 4),H413

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation

H341 Suspected of causing genetic defects

H361 Suspected of damaging fertility or the unborn child

H370 Causes damage to organs

H413 May cause long lasting harmful effects to aquatic life

Precautionary statement(s)

Prevention

P233 Keep container tightly closed.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P362 Take off contaminated clothing and wash before reuse.

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:         | YH25448; GNS-1480    |
| Formula:          | $C_{30}H_{34}N_8O_3$ |
| Molecular Weight: | 554.64               |
| CAS No. :         | 1903008-80-9         |

## 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.

### 6.4 Reference to other sections

For disposal see 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                             | 1.27g/cm <sup>3</sup> |
| 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

Classified based on available data. For more details, see section 2

#### Skin corrosion/irritation

Classified based on available data. For more details, see section 2

#### Serious eye damage/irritation

Classified based on available data. For more details, see section 2

#### Respiratory or skin sensitization

Classified based on available data. For more details, see section 2

#### Germ cell mutagenicity

Classified based on available data. For more details, see section 2

#### Carcinogenicity

IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.

NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.

OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.

#### Reproductive toxicity

Classified based on available data. For more details, see section 2

#### Specific target organ toxicity - single exposure

Classified based on available data. For more details, see section 2

#### Specific target organ toxicity - repeated exposure

Classified based on available data. For more details, see section 2

#### Aspiration hazard

Classified based on available data. For more details, see section 2

#### Additional information

RTECS No.: DA8340700

This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

## **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: CORROSIVE SOLID,N. O. S. UN

number: 1759

Class: 8

Packing group: III

### **IMDG**

Proper shipping name: CORROSIVE SOLID,N. O. S. UN

number: 1759

Class: 8

Packing group: III

### **IATA**

Proper shipping name: CORROSIVE SOLID,N. O. S. UN

number: 1759

Class: 8

Packing group: III

## **15. REGULATORY INFORMATION**

No data available.

## **16. OTHER INFORMATION**

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. We disclaim all liability for any damage resulting from handling or from contact with this product.