

# Material Safety Data Sheet

## Section 1 –Chemical Product and company identification

Product Identification : **2-CHLOROPYRIDINE 99% MIN**

Company Identification : OUZHOU HENGSHUN CHEMICAL INDUSTRIAL CO.,LTD

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## Section 2 - Composition/Information on Ingredients

Chemical name	assay	CAS NO.	EINECS#
2-chloropyridine	99-100	109-09-1	203-646-3

Hazard Symbols: T

Risk Phrases: 23/24/25 36/37/38

## Section 3 - Hazards Identification, Including Emergency Overview

Toxic by inhalation. in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

### Potential health effects

EYE : causes eye irritation.

SKIN : causes skin irritation. Toxic in contact with skin, substance is readily absorbed through the skin.

INGESTION : may cause irritation of the digestive tract. poison by ingestion.

INHALATION : causes respiratory tract irritation. toxic if inhaled.

CHRONIC: not available.

## Section 4 – First Aid Measures

### First Aid:

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids, Get medical aid

immediately.

SKIN: Get medical aid immediately. immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

INGESTION : Get medical aid, Wash mouth out with water.

INHALATION: Get medical aid immediately .remove from exposure to fresh air immediately. if not breathing, give artificial respiration if breathing is difficult, give oxygen.

Notes to physician: Treat symptomatically and supportively.

### Section 5 - Fire fighting Measures

General information: As in any fire, wear a self-contained breathing apparatus in pressure-demand. MSHA/NIOSH(approved or equivalent).and full protective gear. will burn if involved in a fire. combustible liquid.

Extinguishing media: use water spray, dry chemical ,carbon dioxide, or chemical foam.

### Section 6 - Accidental Release Measures

General information: use proper personal protective equipment as indicated in section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### Section 7 - Handling and Storage

Handling :wash thoroughly after handling, use spark-proof tools and explosion proof equipment. do not breathe dust, vapor, mist, or gas .do not get in eyes. on skin. or on clothing, use only in a chemical fume hood.

Storage: keep away from sources of ignition, store in a cool, dry place store in a tightly closed container.

### Section 8 - Exposure Controls & Personal Protection

Engineering controls: facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. use adequate ventilation to keep airborne concentrations low.

#### **Personal Protective Equipment**

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR1910.134 or European Standard EN 149 approved respirator when necessary.

## Section 9 - Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Clear colorless to light yellow
Odor:	Pyridine-like
PH:	6-7(27g/l aq.sol)
Vapor Pressure:	1mmHg, @30 deg C
Viscosity:	Not available
Boiling Point:	168170 deg C @760mmHg
Freezing/Melting Point:	-46 deg C
Autoignition	585 deg C(1,085.00 deg F)
Temperature:	
Flash Point:	64 deg C(147.20 deg F)
Explosion Limits, lower:	Not available
Explosion Limits, upper:	Not available
Decomposition	
Temperature:	
Solubility in water:	27g/l in water(20 deg C)
Specific Gravity/Density:	1.209g/cm <sup>3</sup>
Molecular Formula:	C <sub>5</sub> H <sub>4</sub> CIN
Molecular Weight:	113.54

## Section 10 - Stability & Reactivity Data

Chemical stability: Not available.

Conditions to avoid: Incompatible materials.

Incompatibilities with other materials: Strong acids, oxidizing agents, peroxides, alkalies.

Hazardous decomposition products: Hydrogen chloride, nitrogen oxides, phosgene, carbon monoxide, irritating and toxic gases, carbon dioxide.

Hazardous polymerization: Has not been reported.

## Section 11 - Toxicological Information

Toxicological Information:

LD50 110mg/kg(mouse, oral) LD50 64mg/kg(rabbit, skin)

Section 12 - Ecological Information

Other: Avoid entering into waters or underground water, do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - MSDS Transport Information

**Transport Information:**

IATA            Shipping Name: 2-CHLOROPYRIDINE  
                    Hazard Class: 6.1  
                    Un Number: 2822  
                    Packing Group: II

IMO             Shipping Name: 2-CHLOROPYRIDINE  
                    Hazard Class: 6.1  
                    Un Number: 2822  
                    Packing Group: II

RID/ADR        Shipping Name: 2-CHLOROPYRIDINE  
                    Hazard Class: 6.1  
                    Un Number: 2822  
                    Packing Group: II

Section 15 - Regulatory Information

**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: **T**

Risk Phrases:     R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
                          R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:  S26 In case of contact with eyes, rinse immediately with plenty of  
                          water and seek medical advice.  
                          S 28A After contact with skin, wash immediately with plenty of  
                          water.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately(show the label where possible).

WGK(Water Danger/Protection)

CAS# 109-09-1 No information available.

### **United Kingdom Occupational Exposure Limits**

Canada

CAS# 109-09-1 is listed on Canada's NDSL List.

CAS# 109-09-1 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 109-09-1 is listed on the TSCA inventory.

## Section 16 - Other Information

### **Other Information:**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special. Indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.