SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name :
2,2 ′ :6 ′ ,2 ′′ -Terpyridine
Product Number : 234672
Brand : -Conier
CAS-No. : 1148-79-4

1.2 Relevant identified uses of the substan ce or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Emergency:+86-23-62922305
Fax:+86-23-62459727
Tel:+86-23-62922305
Address:11F, #20 building, #18 Fuquan Road, Jiangbei District, CHONGQING 400020, P.R China
Company:Conier Chem & Pharma Limited

1.4 Emergency telephone number

Emergency Phone # : +1-703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral (Category 1), H300
Acute toxicity, Dermal (Category 2), H310
Skin irritation (Category 2), H315
Pictogram





Signal word Danger
Serious eye damage (Category 1), H318
Hazard statement(s)
H300 + H310 Fatal if swallowed or in contact with skin
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P262 Do not get in eyes, on skin, or on clothing.
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
For the full text of the H-Statements mentioned in this Section, see Section 16.
P271 Use only outdoors or in a well-ventilated area.

2.2 GHS Label elements, incl uding precautionary statements

P280 Wear protective gloves/ eye protection/ face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P302 + P350 IF ON SKIN: Gently 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.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.
P322 Specific measures (see supplemental first aid instructions on this label).
P330 Rinse mouth.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P361 Remove/Take off immediately all contaminated clothing.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : α,α′,α″ -Tripyridyl
2,6 -Di(2-pyridyl)pyridine
Formula : C15H11N3
Molecular Weight : 233.27 g/mol
CAS-No. : 1148-79-4
EC-No. : 214-559-5

Hazardous components

Component	Classification	Concentration
2,2':6',2''-Terpyridine		
	Acute Tox. 1; Acute Tox. 2; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H300 + H310, H315, H318, H335	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult 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) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx)

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2 Conditions for safe stora ge, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Personal protective equipment
Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after
Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic phys ical and chemical properties
a) Appearance Form: crystalline
Colour: yellow
b) Odour no data available
c) Odour Threshold no data available
d) pH no data available
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the
e) Melting point/freezing Melting point/range: 89 - 91 °C (192 - 196 °F) - lit.
supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an
point
industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It
f) Initial boiling point and no data available
should not be construed as offering an approval for any specific use scenario.
boiling range
Body Protection
g) Flash point no data available
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
h) Evapouration rate no data available
Respiratory protection
i) Flammability (solid, gas) no data available
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type
j) Upper/lower no data available
N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the flammability or
sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and explosive limits
approved under appropriate government standards such as NIOSH (US) or CEN (EU).
k) Vapour pressure no data available
Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
l) Vapour density no data available
m) Relative density no data available
n) Water solubility no data available
o) Partition coefficient: n- log Pow: 3.381

p) Auto-ignition temperature no data available
q) Decomposition temperature no data available
r) Viscosity no data available
s) Explosive properties no data available
t) 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 oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - rat - 1.99 mg/kg
no data available
In the event of fire: see section 5

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IA RC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

Reproductive toxicity
no data available
no data available

Specific target organ toxicity - single exposure
Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly 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 not available as chemical safety assessment not required/not conducted
12.6 Other adverse effects
no data available
13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging
Dispose of as unused product.
14. TRANSPORT INFORMATION
DOT (US)
UN number: 2811 Class: 6.1 Packing group: I
Proper shipping name: Toxic solids, organic, n.o.s. (2,2':6',2''-Terpyridine)
Marine pollutant: No
Poison Inhalation Hazard: No
IMDG
UN number: 2811 Class: 6.1 Packing group: I EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (2,2':6',2''-Terpyridine)
Marine pollutant: No
IATA
UN number: 2811 Class: 6.1 Packing group: I
Proper shipping name: Toxic solid, organic, n.o.s. (2,2':6',2''-Terpyridine)
15. REGULATORY INFORMATION
SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
SARA 313: 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
Acute Health Hazard
Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components
CAS-No. Revision Date
2,2':6',2''-Terpyridine 1148-79-4
New Jersey Right To Know Components
CAS-No. Revision Date
2,2':6',2''-Terpyridine 1148-79-4
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
Full text of H-Statements referred to under sections 2 and 3.
Acute Tox. Acute toxicity
Eye Dam. Serious eye damage
H300 Fatal if swallowed.
H300 + H310 Fatal if swallowed or in contact with skin
H310 Fatal in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
HMIS Rating
Health hazard: 4
Chronic Health Hazard:
Flammability: 0
Physical Hazard 0
NFPA Rating
Health hazard: 4
Fire Hazard: 0

Reactivity Hazard: 0

Further 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 the product. CONIER Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.conier.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Prepared by: Conier Chem & Pharma Limited Revision Date: 2026/07/08