

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-ED-02090
<b>Product Name</b>	Triazole lactic acid
<b>CAS No.</b>	1450828-63-3
<b>Category</b>	Intermediate
<b>Synonyms</b>	2-hydroxy-3-(1,2,4-triazol-1-yl)propanoic acid
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Serious eye damage/eye irritation (Category 2)

Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H361	Not available

### Precautionary Statement(s)

Code	Statement
P203	Not available
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P318	Not available
P330	Not available
P337+P317	If eye irritation persists: Get medical help.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Triazole lactic acid

CAS Number : 1450828-63-3

Molecular Formula : C5H7N3O3

Molecular Weight : 157.1

Parent Chemical : Prothioconazole

Synonyms : 2-hydroxy-3-(1,2,4-triazol-1-yl)propanoic acid

Concentration : Not available

### SECTION 4: First aid measures

#### SECTION 4: First-aid measures

##### 4.1 Description of first aid measures

General advice: Seek medical attention if symptoms persist or if you feel unwell. Show this SDS to the physician.

Inhalation: Move person to fresh air. Keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops or persists.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed  
Not available.

4.3 Indication of any immediate medical attention and special treatment needed  
Treat symptomatically. No data available.

### SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment (e.g., water spray, alcohol-resistant foam, dry chemical, carbon dioxide).

Unsuitable extinguishing media: Not available.

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: Not available. Thermal decomposition may produce irritating and/or toxic fumes.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool containers exposed to fire with water spray. Prevent fire-fighting water from entering drains or waterways.

### SECTION 6: Accidental release measures

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

Avoid breathing dust/mist/vapors. Avoid contact with skin and eyes. Use appropriate personal protective equipment (see Section 8). Ensure adequate ventilation.

#### 6.2 Environmental precautions

Avoid release to the environment. Prevent entry into drains, surface waters, and soil.

#### 6.3 Methods and material for containment and cleaning up

Contain spill. Collect using non-sparking tools and place in a suitable, labeled container for disposal. Avoid generating dust. Clean spill area with suitable absorbent material. Dispose of waste in accordance with local regulations.

#### 6.4 Reference to other sections

See Section 8 for personal protective equipment and Section 13 for disposal considerations.

### SECTION-7: Handling and storage

SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Avoid breathing dust/mist. Use with adequate ventilation. Wash hands thoroughly after handling.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated place. Protect from moisture. Keep away from incompatible materials.

Incompatible materials: Not available.

### 7.3 Specific end use(s)

Intermediate. No further information available.

## SECTION 8: Exposure controls / personal protection

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limits: No data available.

Biological limit values: Not available.

#### 8.2 Exposure controls

Engineering controls: Provide adequate general and/or local exhaust ventilation to control airborne levels.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not available). Wear protective clothing as appropriate.
- Respiratory protection: If ventilation is inadequate or dust/aerosols may be generated, use appropriate respiratory protection (type not available).
- Hygiene measures: Wash hands after handling. Remove contaminated clothing and wash before reuse.

Environmental exposure controls: Avoid release to the environment; use appropriate containment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available

Property	Value
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

## SECTION 10: Stability and reactivity

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#### 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

Heat, moisture, and incompatible materials. No further data available.

#### 10.5 Incompatible materials

Not available.

#### 10.6 Hazardous decomposition products

Not available. May emit irritating and/or toxic fumes upon decomposition.

## SECTION 11: Toxicological information

### 11.1 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.

- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

## SECTION 12: Ecological information

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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

Not available.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No data available.

## SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Product: Dispose of as hazardous waste if required by regulations; specific classification not available.

Contaminated packaging: Dispose of as unused product. Do not reuse empty containers unless properly cleaned and permitted by regulations.

## SECTION 14: Transport information

SECTION 14: Transport information

#### 14.1 UN number

Not available.

#### 14.2 UN proper shipping name

Not available.

#### 14.3 Transport hazard class(es)

Not available.

#### 14.4 Packing group

Not available.

#### 14.5 Environmental hazards

Not available.

#### 14.6 Special precautions for user

Not available.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not available.

### SECTION 15: Regulatory information

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##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available.

##### 15.2 Chemical safety assessment

No data available.

### SECTION 16: Other information

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Product name: Triazole lactic acid

Synonyms: 2-hydroxy-3-(1,2,4-triazol-1-yl)propanoic acid

CAS No.: 1450828-63-3

Catalog No.: CS-ED-02090

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Parent chemical: Prothioconazole

Disclaimer: The information provided is based on available product information and is intended for guidance in safe handling. It does not constitute a guarantee of specific properties. Users are responsible for compliance with applicable laws and regulations.

Revision date: Not available.

Version: Not available.

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