

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

Catalogue Number	CS-O-45664
Product Name	Ampicillin Impurity p
CAS No.	-
Category	Impurity
Synonyms	(2R,4S)-2-(((1R)-1-((R)-2-amino-2-phenylacetamido)-2-(((1R)-2-(((4S)-4-carboxy-5,5-dimethylthiazolidin-2-yl)(methyl)amino)-2-oxo-1-phenylethyl)amino)-2-oxoethyl)-5,5-dimethylthiazolidine-4-carboxylic acid
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email sales@clearsynth.com for more details.

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

Not available

2.2 Label Elements

Signal Word: Not available

Not available

Hazard Statement(s)

Code	Statement
Not available	Not available

Precautionary Statement(s)

Code	Statement
Not available	Not available

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Ampicillin Impurity p

CAS Number : -

Molecular Formula : C₃₁H₄₀N₆O₇S₂

Molecular Weight : 672.82

Parent Chemical : Ampicillin

Synonyms : (2R,4S)-2-((1R)-1-((R)-2-amino-2-phenylacetamido)-2-(((1R)-2-(((4S)-4-carboxy-5,5-dimethylthiazolidin-2-yl)(methyl)amino)-2-oxo-1-phenylethyl)amino)-2-oxoethyl)-5,5-dimethylthiazolidine-4-carboxylic acid

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice:

- Show this safety data sheet to the doctor in attendance.
- Seek medical attention if symptoms occur or persist.

Inhalation:

- Move person to fresh air.
- If breathing is difficult, seek medical attention.

Skin contact:

- Wash with plenty of soap and water.
- Remove contaminated clothing and wash before reuse.
- Seek medical attention if irritation or sensitization occurs.

Eye contact:

- Rinse cautiously with water for several minutes.
- Remove contact lenses if present and easy to do; continue rinsing.
- Seek medical attention if irritation persists.

Ingestion:

- Rinse mouth with water.
- Do not induce vomiting unless directed by medical personnel.
- Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- No data 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:

- Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO₂).

Unsuitable extinguishing media:

- No data available.

5.2 Special hazards arising from the substance or mixture

- No data available.
- Combustion may produce carbon oxides, nitrogen oxides, and sulfur oxides; other decomposition products: No data available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Avoid inhalation of combustion products.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Avoid generating dust.
- Collect spillage using a method that does not create dust (e.g., damp wipe, HEPA-filter vacuum).
- Place in a suitable, closed container for disposal.

6.4 Reference to other sections

- For disposal considerations see Section 13.
- For personal protection see Section 8.

SECTION-7: Handling and storage

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Handle in accordance with good laboratory hygiene and safety practice.
- Avoid formation of dust and aerosols.
- Avoid contact with skin, eyes, and clothing.
- Provide adequate ventilation; use local exhaust where appropriate.

7.2 Conditions for safe storage, including any incompatibilities

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

- Protect from moisture.
- Incompatibilities: No data available.

7.3 Specific end use(s)

- Laboratory/research use: Not available (no further information provided).

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

- No data available.

Derived no-effect level (DNEL) / Predicted no-effect concentration (PNEC):

- No data available.

8.2 Exposure controls

Engineering controls:

- Use adequate general ventilation.
- Use local exhaust ventilation where dust may be generated.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Protective gloves (material not specified; select based on risk assessment and permeation data).
- Lab coat or protective clothing.

Respiratory protection:

- If dust or aerosols are generated, use a suitable particulate respirator.

Hygiene measures:

- Wash hands after handling.
- Do not eat, drink, or smoke when using this product.

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
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

- Moisture.
- Excessive heat.
- Dust generation.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- No data available.

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

SECTION 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

- Not available.

12.6 Endocrine disrupting properties

- No data available.

12.7 Other adverse effects

- No data available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Treat as chemical waste.

Contaminated packaging:

- Dispose of as unused product.

Additional information:

- Do not discharge to drains.
- No data available on specific disposal code.

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

SECTION 15: Regulatory information

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

- No data available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

SECTION 16: Other information

Product identification:

- Product name: Ampicillin Impurity p
- Catalog No.: CS-O-45664
- CAS No.: Not available
- Category: Impurity
- Molecular weight: 672.82
- Parent chemical: Ampicillin
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Revision information:

- No data available.

Disclaimer:

- The information provided is based on data available at the time of preparation and is intended for guidance for safe handling, use, processing, storage, transportation, disposal, and release. It does not constitute a warranty of any kind.

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