

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

Catalogue Number	CS-O-53980
Product Name	Ethyl 4-chloro-3,3-diethoxybutyrate
CAS No.	65840-81-5
Category	Fine Chemicals
Synonyms	Ethyl 4-chloro-3,3-diethoxybutyrate
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 : Ethyl 4-chloro-3,3-diethoxybutyrate
CAS Number : 65840-81-5
Molecular Formula : C₁₀H₁₉ClO₄
Molecular Weight : 238.71
Parent Chemical : -
Synonyms : Ethyl 4-chloro-3,3-diethoxybutyrate
Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice:

- Remove contaminated clothing and shoes. Seek medical attention if symptoms persist.
- Show this Safety Data Sheet to the physician in attendance.

Inhalation:

- Move person to fresh air. Keep at rest in a position comfortable for breathing.
- If breathing is difficult, seek medical attention.

Skin contact:

- Wash with plenty of soap and water.
- Seek 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 and obtain medical attention if irritation persists.

Ingestion:

- Rinse mouth. Do NOT induce vomiting.
- Never give anything by mouth to an unconscious person.
- Seek 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

- Combustion may produce irritating and/or toxic fumes.
- Hazardous decomposition products may include hydrogen chloride and carbon oxides.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus and full protective gear.
- Cool containers with water spray to prevent rupture.
- Prevent fire-fighting water from entering drains or watercourses.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Ensure adequate ventilation.
- Avoid breathing vapors/mist and avoid contact with skin and eyes.
- Wear 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. Prevent entry into drains, sewers, and waterways.

6.3 Methods and material for containment and cleaning up

- Contain spill with inert absorbent material (e.g., sand, earth, vermiculite).
- Collect into suitable, labeled containers for disposal.
- Clean contaminated area with detergent and water; avoid generating aerosols.

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

- Use only with adequate ventilation.
- Avoid contact with skin, eyes, and clothing.
- Avoid breathing vapors/mist.
- Keep container tightly closed when not in use.
- Use good industrial hygiene practices. Wash hands after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well-ventilated place.
- Keep container tightly closed and properly labeled.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- Fine chemical / laboratory use. No data available for specific end uses.

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):

- Not available.

8.2 Exposure controls

Engineering controls:

- Use local exhaust ventilation or general dilution ventilation to maintain airborne levels as low as practicable.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Wear protective gloves (material selection dependent on use conditions; consult glove supplier).
- Wear protective clothing to prevent skin contact.

Respiratory protection:

- If ventilation is inadequate, use appropriate respiratory protection in accordance with applicable regulations.

Hygiene measures:

- Handle in accordance with good industrial hygiene and safety practice.
- Remove contaminated clothing and wash before reuse.

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

Property	Value
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

- Heat, flames, sparks.
- Moisture (if applicable).

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- Hydrogen chloride.
- Carbon oxides.
- Other irritating/toxic fumes: Not 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

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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

- No data available.

12.7 Other adverse effects

- No data available.

SECTION 13: Disposal considerations

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13.1 Waste treatment methods

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Incineration or disposal via a licensed waste contractor may be appropriate.

Contaminated packaging:

- Empty containers may retain product residues. Do not reuse container.
- Dispose of as hazardous waste in accordance with applicable regulations.

Waste code:

- Not available.

SECTION 14: Transport information

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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

- Regulatory status/inventory listings: Not available.
- GHS classification: Not available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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Product identification:

- Product name: Ethyl 4-chloro-3,3-diethoxybutyrate
- CAS No.: 65840-81-5
- Catalog No.: CS-O-53980
- Molecular weight: 238.71
- Supplier: Clearsynth Labs Ltd., Mumbai, India

- Emergency phone: +91-22-245045900

Revision information:

- Not available.

Disclaimer:

- The information provided is believed to be accurate as of the date of preparation; however, no warranty is expressed or implied regarding its accuracy or completeness. The user is responsible for determining suitability for a particular purpose and for complying with applicable laws and regulations.

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