

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

|                             |   |
|-----------------------------|---|
| <b>Catalogue Number</b>     | CS-M-43508  |
| <b>Product Name</b>         | Ethyl 2,4-dioxopentanoate   |
| <b>CAS No.</b>              | 615-79-2  |
| <b>Category</b>             | Intermediate  |
| <b>Synonyms</b>             | Pentanoic acid, 2,4-dioxo-, ethyl ester; Ethoxalylacetone; Ethyl acetylpyruvate |
| <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.<br>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:

- Skin irritation (Category 2)
- 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.   |
| H315 | Causes skin irritation. |

|      |                                |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |
| H335 | Not available                  |

### Precautionary Statement(s)

| Code           | Statement   |
|----------------|---|
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P264           | Wash hands thoroughly after handling.   |
| P264+P265      | Not available   |
| P270           | Not available   |
| P271           | Use only outdoors or in a well-ventilated area.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                          |
| P301+P317      | Not available   |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                          |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.     |
| P319           | Get medical help if you feel unwell.  |
| P321           | Specific treatment (see ... on this label).   |
| P330           | Not available   |
| P332+P317      | If skin irritation occurs: Get medical help.  |
| P337+P317      | If eye irritation persists: Get medical help.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                    |
| P405           | Store locked up.  |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations. |

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Ethyl 2,4-dioxopentanoate

CAS Number : 615-79-2

Molecular Formula : C7H10O4

Molecular Weight : 158.15

Parent Chemical : -

Synonyms : Pentanoic acid, 2,4-dioxo-, ethyl ester; Ethoxalylacetone; Ethyl acetylpyruvate

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. If breathing is difficult, seek medical attention.

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. Seek medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. 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: Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media: Not available.

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

Hazardous combustion products: Carbon oxides. Other decomposition products: Not 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/vapors/mist. Avoid contact with skin and eyes. Ensure adequate ventilation. Use appropriate personal protective equipment.

##### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Do not allow to enter drains/surface waters/groundwater.

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

Contain spill. Collect using inert absorbent material and place in a suitable, properly labeled container for disposal.

Clean spill area after material pickup.

### 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 and eyes. Avoid breathing dust/vapors/mist. Use only with adequate ventilation. Keep containers tightly closed when not in use.

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

Store in a cool, dry, well-ventilated place. Keep container tightly closed. Protect from moisture. 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, use appropriate respiratory protection (type not available).
- Hygiene measures: Wash hands thoroughly 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

### SECTION 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

Heat, open flames, and other ignition sources. Other conditions: Not available.

#### 10.5 Incompatible materials

Not available.

#### 10.6 Hazardous decomposition products

Carbon oxides. Other decomposition products: 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

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

Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge to drains.

Contaminated packaging: Dispose of as unused product or according to local regulations.

Waste code: Not available.

### 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 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

Not available.

15.2 Chemical safety assessment

No data available.

### SECTION 16: Other information

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CAS No.: 615-79-2

Synonyms: Pentanoic acid, 2,4-dioxo-, ethyl ester; Ethoxalylacetone; Ethyl acetylpyruvate

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Disclaimer: The information provided is believed to be accurate based on available data, but no warranty is expressed or implied. Users must determine suitability for their particular purpose and comply with applicable laws and regulations.

Revision date: Not available.

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