

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

|                             |  |
|-----------------------------|--|
| <b>Catalogue Number</b>     | CS-ED-01238  |
| <b>Product Name</b>         | (E)-Cinnamyl Chloride  |
| <b>CAS No.</b>              | 21087-29-6   |
| <b>Category</b>             | Intermediate   |
| <b>Synonyms</b>             | (1E)-3-Chloroprop-1-en-1-ylbenzene; (E)-(3-chloro-1-propenyl)benzene; (E)-(3-Chloroprop-1-en-1-yl)benzene; (E)-3-Chloro-1-phenyl-1-propene; (E)-3-Chloro-1-phenylpropene |
| <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:

Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

| Code | Statement             |
|------|-----------------------|
| H302 | Harmful if swallowed. |
| H314 | Not available         |

|      |                                      |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
| H330 | Not available                        |
| H334 | Not available                        |
| H227 | Not available                        |
| H318 | Causes serious eye damage.           |

**Precautionary Statement(s)**

| Code           | Statement  |
|----------------|--|
| P233           | Not available  |
| P260           | Not available  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray.                          |
| P264           | Wash hands thoroughly after handling.                                      |
| P270           | Not available  |
| P271           | Use only outdoors or in a well-ventilated area.                            |
| P272           | Not available  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284           | Not available  |
| P301+P317      | Not available  |
| P301+P330+P331 | Not available  |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.                            |
| P302+P361+P354 | Not available  |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P354+P338 | Not available  |
| P316           | Not available  |
| P320           | Not available  |
| P321           | Specific treatment (see ... on this label).                                |
| P330           | Not available  |
| P333+P317      | Not available  |
| P342+P316      | Not available  |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                   |

|           |   |
|-----------|---|
| P363      | Not available   |
| P403      | Not available   |
| 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 regulation |
| P210      | Not available   |
| P264+P265 | Not available   |
| P317      | Not available   |
| P370+P378 | Not available   |

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : (E)-Cinnamyl Chloride

CAS Number : 21087-29-6

Molecular Formula : C9H9Cl

Molecular Weight : 152.62

Parent Chemical : cinnamic alcohol

Synonyms : (1E)-3-Chloroprop-1-en-1-ylbenzene; (E)-(3-chloro-1-propenyl)benzene;

(E)-(3-Chloroprop-1-en-1-yl)benzene; (E)-3-Chloro-1-phenyl-1-propene; (E)-3-Chloro-1-phenylpropene

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 or are severe.
- Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of soap and water. 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.
- 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.
- Not available.

## SECTION 5: Firefighting measures

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media: Dry chemical, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam.
- Unsuitable extinguishing media: Not available.

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

- Hazardous combustion products: Carbon oxides; hydrogen chloride (HCl); other irritating/toxic fumes.
- Specific hazards: 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

- Evacuate unnecessary personnel.
- Ensure adequate ventilation.
- Avoid breathing vapors/mists.
- 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, surface waters, or soil.

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

- Contain spill with inert absorbent material (e.g., sand, silica gel, universal binder).
- Collect into suitable, closed containers for disposal.
- Clean contaminated area with appropriate cleaning methods; avoid generating aerosols.

#### 6.4 Reference to other sections

- See Section 8 for personal protective equipment.
- See 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 and eyes.
- Avoid breathing vapors/mists.
- Keep away from heat, sparks, open flames, and other ignition sources.
- Do not eat, drink, or smoke when using this product.
- Wash hands thoroughly after handling.

### 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: Strong oxidizing agents; strong bases; strong acids. (Further incompatibilities: Not available.)

### 7.3 Specific end use(s)

- Intermediate. Further information: Not available.

## SECTION 8: Exposure controls / personal protection

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

- Occupational exposure limits: Not available.
- Biological limit values: Not available.

#### 8.2 Exposure controls

- Engineering controls: Use local exhaust ventilation or general dilution ventilation to maintain exposure below applicable limits (if established).

#### Personal protective equipment (PPE)

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
  - Skin protection: Protective gloves (material selection dependent on use conditions; not available). Wear protective clothing as needed.
  - Respiratory protection: If ventilation is inadequate or exposure is possible, use appropriate respiratory protection.
- Specific recommendations: Not available.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove contaminated clothing and wash before reuse.

#### Environmental exposure controls

- Avoid release to the environment.

## 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

- Not available.

#### 10.2 Chemical stability

- Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

- Not available.

#### 10.4 Conditions to avoid

- Heat, flames, sparks, and other ignition sources.

- Moisture/humidity (if applicable): Not available.

#### 10.5 Incompatible materials

- Strong oxidizing agents; strong bases; strong acids.

### 10.6 Hazardous decomposition products

- Hydrogen chloride (HCl); carbon oxides; other irritating/toxic fumes. Further information: Not available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity: LC50 (rat) = 29 mg/m<sup>3</sup>/4hr
- 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

- Not available.

#### 12.2 Persistence and degradability

- Not available.

#### 12.3 Bioaccumulative potential

- Not available.

#### 12.4 Mobility in soil

- Not available.

#### 12.5 Results of PBT and vPvB assessment

- Not available.

#### 12.6 Endocrine disrupting properties

- Not available.

#### 12.7 Other adverse effects

- Not 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 or the environment.
- Contaminated packaging: Dispose of as unused product or according to applicable regulations.
- Waste codes: Not available.

## SECTION 14: Transport information

### SECTION 14: Transport information

- UN number: Not available.
- UN proper shipping name: Not available.
- Transport hazard class(es): Not available.
- Packing group: Not available.
- Environmental hazards: Not available.
- Special precautions for user: Not available.
- 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

- Not available.

## SECTION 16: Other information

### SECTION 16: Other information

- Product name: (E)-Cinnamyl Chloride
- Catalog No.: CS-ED-01238
- CAS No.: 21087-29-6
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

#### 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 information

- Revision date: Not available.
- Version: Not available.

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