

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

|                             |  |
|-----------------------------|--|
| <b>Catalogue Number</b>     | CS-T-52660   |
| <b>Product Name</b>         | 1,3-Dichloro-2-propanol-d5   |
| <b>CAS No.</b>              | 1173020-20-6   |
| <b>Category</b>             | Stable Isotope Reagent   |
| <b>Synonyms</b>             | 1,3-Dichloro-2-hydroxypropane-d5; 1,3-Dichlorohydrin-d5; 1,3-Dichloroisopropanol-d5; 1,3-Dichloroisopropyl Alcohol-d5; 2-Chloro-1-(chloromethyl)ethanol-d5; Bis(chloromethyl)methanol-d5 |
| <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                     |
|------|-------------------------------|
| H301 | Not available                 |
| H312 | Harmful in contact with skin. |

|      |               |
|------|---------------|
| H350 | Not available |
|------|---------------|

### Precautionary Statement(s)

| Code      | Statement   |
|-----------|---|
| P203      | Not available   |
| P264      | Wash hands thoroughly after handling.   |
| P270      | Not available   |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection.                        |
| P301+P316 | Not available   |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap.   |
| P317      | Not available   |
| P318      | Not available   |
| P321      | Specific treatment (see ... on this label).   |
| P330      | Not available   |
| P362+P364 | Take off contaminated clothing and wash it before reuse.  |
| 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 : 1,3-Dichloro-2-propanol-d5

CAS Number : 1173020-20-6

Molecular Formula : C<sub>3</sub>H<sub>2</sub>Cl<sub>2</sub>O

Molecular Weight : 134.01

Parent Chemical : -

Synonyms : 1,3-Dichloro-2-hydroxypropane-d5; 1,3-Dichlorohydrin-d5; 1,3-Dichloroisopropanol -d5;

1,3-Dichloroisopropyl Alcohol-d5; 2-Chloro-1-(chloromethyl)ethanol-d5; Bis(chloromethyl)methanol-d5

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 occur or persist.

Show this SDS to medical personnel.

- Inhalation: Move person to fresh air. Keep at rest. If breathing is difficult, seek medical attention.

- Skin contact: Wash immediately with plenty of water and soap. Seek medical attention if irritation develops.
- 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. No data available.

### SECTION 5: Firefighting measures

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire (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: Hydrogen chloride, carbon oxides, and other chlorinated decomposition products. No data available.

##### 5.3 Advice for firefighters

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

### 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 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, surface waters, or soil.

##### 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 water and detergent. 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.
- Use only with adequate ventilation (preferably in a chemical fume hood).
- Avoid breathing vapors/mists. Avoid contact with skin, eyes, and clothing.
- Keep container 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 and properly labeled.
- Protect from moisture. Keep away from heat and ignition sources.
- Incompatible materials: Strong oxidizing agents; strong bases; strong acids. No data available.

##### 7.3 Specific end use(s)

- Stable isotope reagent. For research and development use only.

### 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 ventilation to maintain exposure below applicable limits (if established). Use in a fume hood when possible.
- Personal protective equipment (PPE):
  - Eye/face protection: Safety glasses with side shields or chemical splash goggles.
  - Skin protection: Chemical-resistant gloves (material selection dependent on use conditions). Wear protective clothing.
  - Respiratory protection: If ventilation is inadequate or aerosol/vapor generation is possible, use appropriate respiratory protection in accordance with local regulations.
- Hygiene measures: Wash hands thoroughly after handling. 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  | Colorless liquid  |
| IR spectrum | Confirms          |
| pH          | No data available |

| Test       | Result                 |
|------------|------------------------|
| Solubility | In Methanol,Chloroform |

| 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. Moisture. No data available.

#### 10.5 Incompatible materials

- Strong oxidizing agents; strong bases; strong acids. No data available.

#### 10.6 Hazardous decomposition products

- Hydrogen chloride and other chlorinated compounds; carbon oxides. 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

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains or the environment.
- Incineration or disposal via a licensed chemical waste contractor may be appropriate. No data 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

- Regulatory listings (e.g., TSCA, REACH, DSL, EINECS/ELINCS, ENCS, IECSC, AICS, NZIoC): Not available.
- GHS classification: Not available.

##### 15.2 Chemical safety assessment

- No data available.

### SECTION 16: Other information

#### SECTION 16: Other information

- Product name: 1,3-Dichloro-2-propanol-d5
- Catalog no.: CS-T-52660
- CAS no.: 1173020-20-6
- Synonyms: 1,3-Dichloro-2-hydroxypropane-d5; 1,3-Dichlorohydrin-d5; 1,3-Dichloroisopropanol-d5; 1,3-Dichloroisopropyl Alcohol-d5; 2-Chloro-1-(chloromethyl)ethanol-d5; Bis(chloromethyl)methanol-d5
- 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 are responsible for determining suitability for their particular application and for compliance with applicable laws and regulations.
- Revision date: Not available.

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