

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

<b>Catalogue Number</b>	CS-T-98121
<b>Product Name</b>	Glycerol-d5 Triformate
<b>CAS No.</b>	Not available
<b>Category</b>	Stable Isotopes
<b>Synonyms</b>	"Triformin-d5 ; 1,2,3-Propanetriol-d5 1,2,3-Triformate; 1,2,3-Propanetriol-d5 Triformate"
<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. 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:

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 : Glycerol-d5 Triformate

CAS Number : Not available

Molecular Formula : C<sub>6</sub>H<sub>3</sub>D<sub>5</sub>O<sub>6</sub>

Molecular Weight : 181.15

Parent Chemical : Not available

Synonyms : "Triformin-d5 ; 1,2,3-Propanetriol-d5 1,2,3-Triformate; 1,2,3-Propanetriol-d5 Triformate"

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. 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 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.

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 exposed to heat. 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

Avoid breathing vapors/mist. Avoid contact with skin and eyes. Use appropriate personal protective equipment (see Section 8). Ensure adequate ventilation.

### 6.2 Environmental precautions

Avoid release to the environment. Prevent entry into drains, sewers, or waterways.

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

Contain spill. Absorb with inert material (e.g., sand, silica gel, universal binder). Collect in suitable, labeled container for disposal. Clean spill area with water and detergent as appropriate.

### 6.4 Reference to other sections

See Sections 8 and 13.

## 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, eyes, and clothing. Avoid breathing vapors/mist. Use with adequate ventilation. 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 in original container, tightly closed. Protect from moisture.

Incompatible materials: Not available.

#### 7.3 Specific end use(s)

Laboratory/research use. Not for food, drug, or household use.

## 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 ventilation. Use local exhaust where appropriate.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.
- Skin protection: Protective gloves (material not available). Wear lab coat or protective clothing.
- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection (type not available).
- 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

Test	Result
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

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.

Waste classification: Not available.

Contaminated packaging: Dispose of as unused product unless cleaned and reconditioned in accordance with regulations.

## 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

### SECTION 16: Other information

Product name: Glycerol-d5 Triformate

Catalog No.: CS-T-98121

CAS No.: Not available

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 all applicable regulations.

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