

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

Catalogue Number	CS-T-98162
Product Name	1,3-Dioleoyl-2-stearoylglycerol-d5
CAS No.	Not available
Category	Stable Isotopes
Synonyms	"(9Z)-9-Octadecenoic Acid 1,1'-[2-[(1-Oxoctadecyl)oxy]-1,3-propanediyl] Ester-d5; (Z)-9-Octadecenoic Acid 1,1'-[2-[(1-Oxoctadecyl)oxy]-1,3-propanediyl] Ester-d5; 2-Stearo-1,3-diolein-d5; 2-Stearoyldiolein-d5; Glyceryl 1,3-Dioleate-2-stearate-d5; Triglyce"
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 : 1,3-Dioleoyl-2-stearoylglycerol-d5

CAS Number : Not available

Molecular Formula : C57H101D5O6

Molecular Weight : 892.48

Parent Chemical : Not available

Synonyms : "(9Z)-9-Octadecenoic Acid 1,1'-[2-[(1-Oxoctadecyl)oxy]-1,3-propanediyl] Ester-d5; (Z)-9-Octadecenoic Acid 1,1'-[2-[(1-Oxoctadecyl)oxy]-1,3-propanediyl] Ester-d5; 2-Stearo-1,3-diolein-d5; 2-Stearoyldiolein-d5; Glyceryl 1,3-Dioleate-2-stearate-d5; Triglyce"

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 develop.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: Wash with soap and water. Get medical attention if irritation occurs.
- 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 if feeling unwell.

4.2 Most important symptoms/effects, acute and delayed

- Not available.

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically. No data available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

- Use extinguishing measures appropriate to surrounding fire (e.g., water spray, dry chemical, foam, carbon dioxide).

5.2 Special hazards arising from the substance or mixture

- No data available. Combustion may produce carbon oxides.

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

- Avoid contact with skin and eyes.
- Provide adequate ventilation.
- Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

- Avoid release to the environment. Prevent entry into drains, surface water, or soil.

6.3 Methods and material for containment and cleaning up

- Contain spill. Collect mechanically (e.g., sweep/scoop) into suitable, labeled container for disposal.
- Clean spill area with suitable cleaning method; avoid generating dust/aerosols.

6.4 Reference to other sections

- See Section 8 (Exposure controls/personal protection) and Section 13 (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, eyes, and clothing.
- Avoid breathing dust/mist/vapors (if generated).
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Protect from heat and ignition sources.
- Incompatible materials: Not available.

7.3 Specific end use(s)

- For research/laboratory 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: Not available.
- Biological limit values: Not available.

8.2 Exposure controls

- Engineering controls: Use adequate general ventilation. Use local exhaust where aerosols/mists may be generated.
- Personal protective equipment (PPE):
 - Eye/face protection: Safety glasses with side shields or chemical splash goggles as appropriate.
 - Skin protection: Protective gloves (material not specified). Lab coat or protective clothing.
 - Respiratory protection: Not normally required under adequate ventilation. If exposure limits are exceeded or aerosols are generated, use appropriate respiratory protection.

- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands after handling.

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

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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, sparks, and other ignition sources. Avoid conditions that generate aerosols.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- No data available. Thermal decomposition/combustion may produce carbon oxides.

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

- 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 unless adequately cleaned.
- Waste code: Not available.

SECTION 14: Transport information

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- 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.

Note: Transport classification may vary by mode and jurisdiction; confirm with carrier and applicable regulations.

SECTION 15: Regulatory information

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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

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- Product name: 1,3-Dioleoyl-2-stearoylglycerol-d5
- Catalog No.: CS-T-98162
- Molecular weight: 892.48
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

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Revision date: Not available.

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