

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

Catalogue Number	CS-T-102145
Product Name	2,3,3',4',6-Penta-O-acetylsucrose-d6
CAS No.	-
Category	Stable Isotopes
Synonyms	"3,4-Di-O-acetyl-β-D-fructofuranosyl-d6 α-D-Glucopyranoside 2,3,6-triacetate; 2,3,3',4',6-Pentaacetatesucrose-d6; 2,3,6,3',4'-Penta-O-acetylsucrose-d6; 2,3,6,3',4'-Pentaacetylsucrose-d6; 6-PAS-d6"
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 : 2,3,3',4',6-Penta-O-acetylsucrose-d6

CAS Number : -

Molecular Formula : C₂₂H₂₆D₆O₁₆

Molecular Weight : 558.52

Parent Chemical : -

Synonyms : "3,4-Di-O-acetyl-β-D-fructofuranosyl-d6 α-D-Glucopyranoside 2,3,6-riacetate;
2,3,3',4',6-Pentaacetatesucrose-d6; 2,3,6,3',4'-Penta-O-acetylsucrose-d6; 2,3,6,3',4'-Pentaacetylsucrose-d6;
6-PAS-d6"

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 occur or persist. Show this SDS to medical personnel.
- Inhalation: Move person to fresh air. If breathing is difficult, seek medical attention.
- Skin contact: Wash with soap and water. Remove contaminated clothing and wash before reuse. Get 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 if feeling unwell.

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.

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 (CO₂).
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

- Specific hazards: Not available.
- Hazardous combustion products: Carbon oxides. Other decomposition products: Not available.

5.3 Advice for firefighters

- Protective equipment: Self-contained breathing apparatus (SCBA) and full protective gear.
- Firefighting instructions: 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 dust formation. Avoid breathing dust. Use appropriate personal protective equipment.

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Collect spilled material using methods that minimize dust generation (e.g., damp wipe, HEPA-filtered vacuum). Place in a suitable, closed container for disposal.

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 eyes, skin, and clothing.
- Avoid generating and breathing dust.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Incompatibilities: 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.

8.2 Exposure controls

- Appropriate engineering controls: Use local exhaust ventilation or general ventilation to minimize airborne dust.
- Personal protective equipment (PPE):
 - Eye/face protection: Safety glasses with side shields or chemical splash goggles.
 - Skin protection: Protective gloves. Protective clothing as appropriate.
 - Respiratory protection: If dust or aerosols are generated and ventilation is inadequate, use a suitable particulate respirator.
- 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
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

- Not available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- Not available.

10.4 Conditions to avoid

- Avoid excessive heat. Avoid dust generation.

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

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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

- Not 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.
- Recommended disposal method: Incineration or disposal via a licensed chemical waste contractor, as appropriate.
- Contaminated packaging: Dispose of as unused product unless cleaned.

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

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

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Product name: 2,3,3',4',6-Penta-O-acetylsucrose-d6
- Catalog No.: CS-T-102145
- CAS No.: Not available

- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Revision information

- Prepared based on available product identification information; hazard and regulatory data: Not available.

Disclaimer

- The information provided is believed to be accurate to the best of our knowledge; it is provided without warranty. Users are responsible for determining suitability and for compliance with applicable laws and regulations.

DISCLAIMER

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