

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

| | |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Catalogue Number | CS-O-41294 |
| Product Name | Calcium D-5- Methyltetrahydrofolate |
| CAS No. | 2585189-28-0 |
| Category | Impurity |
| Synonyms | (4-(((S)-2-amino-5-methyl-4-oxo-1,4,5,6,7,8-hexahydropteridin-6-yl)methyl)amino)benzoyl)-D-glutamic acid |
| 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 : Calcium D-5- Methyltetrahydrofolate

CAS Number : 2585189-28-0

Molecular Formula : C₂₀H₂₅N₇O₆

Molecular Weight : 459.46

Parent Chemical : Folic acid

Synonyms : (4-(((S)-2-amino-5-methyl-4-oxo-1,4,5,6,7,8-hexahydropteridin-6-yl)methyl)amino)benzoyl)-D-glutamic acid

Concentration : Not available

SECTION 4: First aid measures

SECTION 4: First-aid measures

4.1 Description of first aid measures

General advice:

- Show this Safety Data Sheet to the doctor in attendance.
- Move out of dangerous area. Seek medical attention if symptoms persist.

Inhalation:

- If breathed in, move person into fresh air.
- If not breathing, give artificial respiration by trained personnel.
- Get medical attention if symptoms occur.

Skin contact:

- Wash off with soap and plenty of water.
- Remove contaminated clothing and shoes.
- 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.
- Get medical attention if irritation persists.

Ingestion:

- Rinse mouth with water.
- Do not induce vomiting unless directed by medical personnel.
- Never give anything by mouth to an unconscious person.
- Get medical attention if symptoms occur.

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, or carbon dioxide.

Unsuitable extinguishing media:

- Not available.

5.2 Special hazards arising from the substance or mixture

- No data available.
- Combustion may produce carbon oxides, nitrogen oxides, and other irritating/toxic fumes.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Avoid breathing 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 (see Section 8).
- Ensure adequate ventilation.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

- Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Avoid generating dust.
- Clean contaminated area with water and detergent as appropriate.

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

- Avoid contact with skin and eyes.
- Avoid breathing dust.
- Avoid dust formation.
- Use with adequate ventilation.
- 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 moisture.
- 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

Engineering controls:

- Provide appropriate exhaust ventilation and/or general ventilation.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Protective gloves (material not specified).
- Lab coat or protective clothing.

Respiratory protection:

- If dust is generated and ventilation is inadequate, use a suitable particulate respirator.

Hygiene measures:

- Handle in accordance with good industrial hygiene and safety practice.
- Wash hands before breaks and at end of workday.

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 |

| Property | Value |
|--------------------------------------------|-------------------|
| 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

- Dust generation.
- Moisture (if applicable).
- Excessive heat.

10.5 Incompatible materials

- Not available.

10.6 Hazardous decomposition products

- No data available.
- Thermal decomposition may produce carbon oxides and nitrogen 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

- 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

Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains.

Contaminated packaging:

- Dispose of as unused product in accordance with applicable 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 Maritime transport in bulk according to IMO instruments

- Not available.

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- No data available.

15.2 Chemical safety assessment

- No data available.

SECTION 16: Other information

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- Parent chemical: Folic acid

Supplier:

- Clearsynth Labs Ltd., Mumbai, India

Emergency telephone:

- +91-22-245045900

Disclaimer:

- The information provided in this Safety Data Sheet is based on data available at the time of preparation and is believed to be accurate. It is intended for guidance for safe handling, use, processing, storage, transportation, disposal, and release, and is not considered a warranty or quality specification.

DISCLAIMER

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