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

| | |
|---|---|
| **Catalogue Number** | CS-CE-00928 |
| **Product Name** | Cerium(IV) sulphate, anhydrous |
| **CAS No.** | 13590-82-4 |
| **Category** | Inorganics |
| **Synonyms** | Cerium disulfate |
| **Brand** | Clearsynth Labs Ltd. |
| **Identified uses** | Laboratory Chemicals |
| **Uses advised against** | Not available |
| **Company** | Clearsynth Labs Ltd.<br>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:

Skin irritation (Category 2)
Serious eye damage/eye irritation (Category 2)

### 2.2 Label Elements

**Signal Word:** Warning



**Hazard Statement(s)**

| Code | Statement |
|---|---|
| H314 | Not available |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |

| | |
|---|---|
| H319 | Causes serious eye irritation. |
| H335 | Not available |
| H400 | Not available |
| H410 | Not available |

**Precautionary Statement(s)**

| Code | Statement |
|---|---|
| P260 | Not available |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash hands thoroughly after handling. |
| P264+P265 | Not available |
| P271 | Use only outdoors or in a well-ventilated area. |
| P273 | Not available |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 | Not available |
| P302+P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P302+P361+P354 | Not available |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if presen |
| P305+P354+P338 | Not available |
| P316 | Not available |
| P317 | Not available |
| P319 | Get medical help if you feel unwell. |
| P321 | Specific treatment (see … on this label). |
| P332+P317 | If skin irritation occurs: Get medical help. |
| P337+P317 | If eye irritation persists: Get medical help. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P363 | Not available |
| P391 | Not available |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |

| | |
|---|---|
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulatio |

## SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Cerium(IV) sulphate, anhydrous
CAS Number : 13590-82-4
Molecular Formula : CeO8S2
Molecular Weight : 332.24
Parent Chemical : -
Synonyms : Cerium disulfate
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. Keep at rest. If breathing is difficult, seek medical attention.
- Skin contact: Wash with plenty of water and soap. Get medical attention if irritation persists.
- 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 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: Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture
- Non-combustible inorganic salt; may decompose on heating to release irritating and/or toxic fumes.
- Hazardous combustion products: Not available.

5.3 Advice for firefighters
- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Avoid inhalation of decomposition products.
- Use water spray to cool unopened containers exposed to heat.

## 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
- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment. Do not allow to enter drains, surface waters, or soil.

6.3 Methods and material for containment and cleaning up
- Sweep up or vacuum up using equipment suitable for dust (avoid generating airborne dust).
- Collect in suitable, labeled containers for disposal.
- Clean contaminated area with water after material pickup, where appropriate.

6.4 Reference to other sections
- See Section 8 for exposure controls/personal protection 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 skin and eyes. Avoid inhalation of dust.
- Minimize dust generation; use local exhaust ventilation where dust may be generated.
- Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
- Store in tightly closed container in a cool, dry, well-ventilated place.
- Protect from moisture.
- Incompatible materials: Not available.

7.3 Specific end use(s)
- Not available.

## 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: Provide adequate ventilation. Use local exhaust where dust is generated.
- Personal protective equipment (PPE):
- Eye/face protection: Safety glasses with side shields or chemical splash goggles.

- Skin protection: Protective gloves. Wear protective clothing as appropriate.
- Respiratory protection: If dust is generated and ventilation is inadequate, use a suitable particulate respirator.
- Hygiene measures: Do not eat, drink, or smoke when using this product. Wash hands 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 | Yellow Powder or Chunks |
| IR spectrum | No data available |
| pH | 0.09% |
| 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 |

| Property | Value |
|---|---|
| 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
- Avoid dust formation. Avoid moisture. Avoid excessive heat.

10.5 Incompatible materials
- Not available.

10.6 Hazardous 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
- 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 or the environment.
- Contaminated packaging: Dispose of as unused product or according to local requirements.
- Waste code: Not 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
- Not available.

15.2 Chemical safety assessment
- No data available.

## SECTION 16: Other information

SECTION 16: Other information

- Product name: Cerium(IV) sulphate, anhydrous
- CAS No.: 13590-82-4
- Synonyms: Cerium disulfate
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer:
- The information provided is based on available product identification details and is intended for SDS authoring purposes. Actual hazard classification and regulatory status may vary by jurisdiction and should be confirmed from authoritative sources. Not available indicates no data available for this document.

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