

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

|                             |  |
|-----------------------------|--|
| <b>Catalogue Number</b>     | CS-M-28417   |
| <b>Product Name</b>         | (5E)-5-[4-(Dimethylamino)benzylidene]-2-mercapto-1,3-thiazol-4(5H)-one |
| <b>CAS No.</b>              | 536-17-4   |
| <b>Category</b>             | Impurity   |
| <b>Synonyms</b>             | Not available  |
| <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.<br>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:

- Skin irritation (Category 2)
- Serious eye damage/eye irritation (Category 2)
- Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

| Code | Statement               |
|------|-------------------------|
| H302 | Harmful if swallowed.   |
| H315 | Causes skin irritation. |

|      |                                |
|------|--------------------------------|
| H319 | Causes serious eye irritation. |
|------|--------------------------------|

### Precautionary Statement(s)

| Code           | Statement   |
|----------------|---|
| P264           | Wash hands thoroughly after handling.   |
| P264+P265      | Not available   |
| P270           | Not available   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                          |
| P301+P317      | Not available   |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present.     |
| P321           | Specific treatment (see ... on this label).   |
| P330           | Not available   |
| 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.  |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations. |

## SECTION 3: Composition / information on ingredients

### 3.1 Substance

Component : (5E)-5-[4-(Dimethylamino)benzylidene]-2-mercapto-1,3-thiazol-4(5H)-one

CAS Number : 536-17-4

Molecular Formula : Not available

Molecular Weight : Not available

Parent Chemical : Not available

Synonyms : Not available

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 physician in attendance. Seek medical attention if symptoms persist or develop.

Inhalation: Move person to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, seek medical attention.

Skin contact: Remove contaminated clothing and shoes. Wash skin with plenty of water and soap. Seek 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. Never give anything by mouth to an unconscious person. 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 measures appropriate to local circumstances and the surrounding environment (e.g., water spray, alcohol-resistant foam, dry chemical, carbon dioxide).

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

May decompose under fire conditions to release irritating and/or toxic fumes. Specific decomposition products: Not available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool unopened containers exposed to fire with water spray. Prevent fire-fighting water from entering drains or waterways.

## SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust. Avoid contact with skin and eyes. Provide adequate ventilation. Wear appropriate personal protective equipment.

6.2 Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent entry into drains, sewers, or waterways.

6.3 Methods and material for containment and cleaning up

Avoid generating dust. Collect spilled material using methods that minimize dust generation (e.g., dampened absorbent or HEPA-filtered vacuum). Place in a suitable, closed container for disposal. Clean contaminated area.

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 breathing dust and contact with skin, eyes, and clothing. Use with adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a tightly closed container in a cool, dry, well-ventilated place. Protect from moisture. Keep away from incompatible materials. Incompatible materials: Not available.

**7.3 Specific end use(s)**

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

**SECTION 8: Exposure controls / personal protection**

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**8.1 Control parameters**

Occupational exposure limits: Not available.

Biological limit values: Not available.

**8.2 Exposure controls**

Engineering controls: Use local exhaust ventilation or other engineering controls to maintain airborne levels below applicable exposure limits. If no limits are established, use general ventilation adequate to control dust.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles as appropriate.
- Skin protection: Wear protective gloves. Specific glove material and breakthrough time: Not available.
- Body protection: Lab coat or protective clothing as appropriate.
- Respiratory protection: If dust or aerosols are generated and ventilation is inadequate, use a NIOSH/EN-approved particulate respirator as appropriate.

Hygiene measures: Wash hands after handling. Remove and wash contaminated clothing before reuse.

**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

### 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

Heat, open flames, and sources of ignition. Excessive dust generation. Other conditions: Not available.

#### 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

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.

Recommended disposal method: Not available.

Contaminated packaging: Dispose of as unused product or according to local regulations.

### SECTION 14: Transport information

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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

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

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Catalog No.: CS-M-28417

CAS No.: 536-17-4

Recommended use: Laboratory/research use; impurity reference material.

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Revision date: Not available.

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