

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

|                             |   |
|-----------------------------|---|
| <b>Catalogue Number</b>     | CS-O-57983  |
| <b>Product Name</b>         | 1,3,5-Trinitro-2-(trifluoromethyl)benzene               |
| <b>CAS No.</b>              | Not available   |
| <b>Category</b>             | Building Blocks   |
| <b>Synonyms</b>             | $\alpha,\alpha,\alpha$ -Trifluoro-2,4,6-trinitrotoluene |
| <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:

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 : 1,3,5-Trinitro-2-(trifluoromethyl)benzene  
CAS Number : Not available  
Molecular Formula : C7H2F3N3O6  
Molecular Weight : 281.10  
Parent Chemical : -  
Synonyms :  $\alpha,\alpha,\alpha$ -Trifluoro-2,4,6-trinitrotoluene  
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 Safety Data Sheet to the physician in attendance.
- Remove contaminated clothing and shoes; wash before reuse.

###### If inhaled:

- Move person to fresh air.
- If breathing is difficult, seek medical attention.

###### In case of skin contact:

- Wash with plenty of water and soap.
- Seek medical attention if irritation develops.

###### In case of eye contact:

- Rinse cautiously with water for several minutes.
- Remove contact lenses if present and easy to do; continue rinsing.
- Seek medical attention.

###### If swallowed:

- Rinse mouth.
- Do NOT induce vomiting.
- 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.
- Not available.

Unsuitable extinguishing media:

- Not available.

5.2 Special hazards arising from the substance or mixture

- May decompose under fire conditions.
- Hazardous combustion/decomposition products: Not available.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Cool containers with water spray if exposed to fire.
- Avoid inhalation of combustion products.
- Use caution; dust may form explosive mixtures with air: No data available.

## SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Avoid breathing dust/fume.
- Avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

- Avoid dust formation.
- Collect spilled material using non-sparking tools where applicable.
- Place in a suitable, closed container for disposal.
- Clean contaminated area with appropriate methods; do not flush to drain.

6.4 Reference to other sections

- See Section 8 for exposure controls/personal protection.
- See 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.
- Avoid contact with skin and eyes.
- Use only with adequate ventilation.
- Keep away from heat, sparks, open flames, and other ignition sources.
- Avoid shock, friction, and impact: No data available.

7.2 Conditions for safe storage, including any incompatibilities

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

### 7.3 Specific end use(s)

- Building block / laboratory chemical. No further information 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:

- Use local exhaust ventilation or general ventilation to minimize exposure.
- Handle in a chemical fume hood where possible.

##### 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 ventilation is inadequate or dust is generated, use a suitable particulate respirator.

##### Thermal hazards:

- Not available.

##### Environmental exposure controls:

- Avoid release to the environment.

## 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

### 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, flames, sparks.

- Dust generation.

- Shock, friction, impact: No data 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

- 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.

Waste code:

- Not available.

### 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

#### 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: 1,3,5-Trinitro-2-(trifluoromethyl)benzene

Catalog no.: CS-O-57983

Synonyms:  $\alpha,\alpha,\alpha$ -Trifluoro-2,4,6-trinitrotoluene

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Revision information:

- Not available.

Disclaimer:

- The information provided is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The supplier shall not be held liable for any damage resulting from handling or from contact with the product.

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