

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

<b>Catalogue Number</b>	CS-MM-05501
<b>Product Name</b>	[1-(Bromomethyl)cyclopropyl]acetonitrile
<b>CAS No.</b>	338392-48-6
<b>Category</b>	Fine Chemicals
<b>Synonyms</b>	[1-(Bromomethyl)cyclopropyl]acetonitrile
<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. 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.
H312	Harmful in contact with skin.

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	Not available

### Precautionary Statement(s)

Code	Statement
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P264+P265	Not available
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
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.
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 present.
P317	Not available
P319	Get medical help if you feel unwell.
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.
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 regulations.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : [1-(Bromomethyl)cyclopropyl]acetonitrile

CAS Number : 338392-48-6  
Molecular Formula : C<sub>6</sub>H<sub>8</sub>BrN  
Molecular Weight : 174.05 g/mol  
Parent Chemical : -  
Synonyms : [1-(Bromomethyl)cyclopropyl]acetonitrile  
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.

###### Inhalation:

- Move person to fresh air.
- 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 develops.

###### 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 with water.
- 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 measures appropriate to local circumstances and surrounding environment.
- Not available.

###### Unsuitable extinguishing media:

- Not available.

### 5.2 Special hazards arising from the substance or mixture

- Hazardous combustion products may include hydrogen bromide (HBr), bromine-containing compounds, nitrogen oxides (NOx), carbon oxides (CO/CO<sub>2</sub>).
- Specific fire or explosion hazards: 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 watercourses.

## SECTION 6: Accidental release measures

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Avoid breathing vapors/mists/dust.
- Avoid contact with skin and eyes.
- 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.
- Prevent entry into drains, sewers, or waterways.

#### 6.3 Methods and material for containment and cleaning up

- Contain spill.
- Absorb with inert material (e.g., dry sand, earth, vermiculite).
- Collect into suitable, labeled containers for disposal.
- Clean contaminated area with suitable cleaning methods; avoid generating aerosols.

#### 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 contact with skin, eyes, and clothing.
- Avoid breathing vapors/mists/dust.
- Use only with adequate ventilation (e.g., fume hood).
- Keep container tightly closed when not in use.
- Wash hands thoroughly after handling.

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

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

### 7.3 Specific end use(s)

- Fine chemical / laboratory and research use. 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.

##### Derived no-effect level (DNEL) / Predicted no-effect concentration (PNEC):

- Not available.

#### 8.2 Exposure controls

##### Engineering controls:

- Use local exhaust ventilation or general ventilation to maintain exposure below applicable limits.
- Use chemical fume hood where appropriate.

##### Personal protective equipment (PPE):

##### Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

##### Skin protection:

- Wear protective gloves (material selection dependent on use conditions; not available).
- Wear protective clothing to prevent skin contact.

##### Respiratory protection:

- If ventilation is inadequate, use appropriate respiratory protection.
- Specific respirator type: Not available.

##### Hygiene measures:

- Do not eat, drink, or smoke when using this product.
- Remove contaminated clothing and wash before reuse.

##### 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

Test	Result
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

- No data available.

#### 10.2 Chemical stability

- Stable under recommended storage conditions. No data available.

#### 10.3 Possibility of hazardous reactions

- No data available.

#### 10.4 Conditions to avoid

- Not available.

#### 10.5 Incompatible materials

- Not available.

#### 10.6 Hazardous decomposition products

- Hydrogen bromide (HBr), bromine-containing compounds, nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO/CO<sub>2</sub>).

### 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 in accordance with applicable regulations.

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

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#### Product identification:

- Product name: [1-(Bromomethyl)cyclopropyl]acetonitrile
- Catalog No.: CS-MM-05501
- CAS No.: 338392-48-6
- Molecular weight: 174.05 g/mol
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

#### Revision information:

- Not available.

#### Disclaimer:

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