

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

Catalogue Number	CS-T-95952
Product Name	Acridine-9-carbonyl chloride
CAS No.	66074-67-7
Category	Building Blocks
Synonyms	9-ACRIDINECARBONYL CHLORIDE
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 : Acridine-9-carbonyl chloride
CAS Number : 66074-67-7
Molecular Formula : C₁₄H₈CINO
Molecular Weight : 241.67
Parent Chemical : Not available
Synonyms : 9-ACRIDINECARBOXYL CHLORIDE
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 persist or are severe.
- Show this Safety Data Sheet to the physician in attendance.

If inhaled:

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

In case of skin contact:

- Remove contaminated clothing and shoes.
- Wash skin thoroughly with soap and water.
- Seek medical attention if irritation develops or persists.

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 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 surrounding fire.
- Dry chemical, carbon dioxide (CO₂), alcohol-resistant foam, or water spray/fog.

Unsuitable extinguishing media:

- Not available.

5.2 Special hazards arising from the substance or mixture

- Thermal decomposition may produce irritating and/or toxic fumes.
- Hydrogen chloride (HCl) and other acid gases may be released if the material decomposes or reacts.
- No data available on specific combustion products.

5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Avoid inhalation of combustion products.

SECTION 6: Accidental release measures

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Evacuate unnecessary personnel.
- Ensure adequate ventilation.
- Avoid breathing dust/vapors.
- Wear 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.
- Do not allow to enter drains, surface water, or soil.

6.3 Methods and material for containment and cleaning up

- Avoid generating dust.
- Collect spilled material using inert absorbent or by careful sweeping/shoveling into a suitable, labeled container.
- Clean contaminated area with appropriate cleaning method; avoid water contact if reactive.

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

- Handle in accordance with good industrial hygiene and safety practice.
- Avoid contact with skin and eyes.
- Avoid breathing dust/vapors.
- Use only with adequate ventilation (preferably in a fume hood).
- Keep container tightly closed when not in use.
- Protect from moisture; acid chlorides may react with water to release hydrogen chloride.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a cool, dry, well-ventilated place.

- Keep tightly closed in original container.
- Protect from moisture and humidity.
- Keep away from incompatible materials (e.g., water, alcohols, amines, strong bases, strong oxidizers).

7.3 Specific end use(s)

- Building block / laboratory chemical. No other specific uses identified.

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:

- 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:

- Wear protective gloves (material not available; select based on risk assessment and permeation data).
- Wear protective clothing to prevent skin contact.

Respiratory protection:

- If ventilation is inadequate or exposure is likely, use an appropriate NIOSH/EN-approved respirator.

Hygiene measures:

- Wash hands thoroughly after handling.
- 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
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

- May react with moisture/water.
- No data available.

10.2 Chemical stability

- Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- Reacts with water and protic nucleophiles (e.g., alcohols, amines) with potential release of hydrogen chloride.
- No data available on polymerization.

10.4 Conditions to avoid

- Moisture, humidity.
- Heat and ignition sources (general precaution).

10.5 Incompatible materials

- Water.
- Alcohols.
- Amines.
- Strong bases.
- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Hydrogen chloride (HCl).
- Irritating and/or toxic fumes.
- No data available on additional decomposition products.

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

- No data 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/unused material:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Treat as hazardous waste unless determined otherwise by appropriate testing.

Contaminated packaging:

- Dispose of as unused product.

Additional information:

- Do not discharge to drains or the environment.

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

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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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- Molecular weight: 241.67
- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

Disclaimer:

- The information provided is believed to be correct based on available data; however, no warranty is expressed or implied.
- Users are responsible for determining suitability for their particular application and for compliance with applicable regulations.

Revision information:

- No data available.

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