

Shanghai Aladdin Biochemical Technology Co., Ltd.  
No. 809, Chuhua Branch Road, Fengxian District, Shanghai

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-07-19  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : 2-Naphthyl Chloroformate  
Product Number : N158922  
Brand : aladdin  
CAS-No. : 7693-50-7

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Details of the supplier of the safety data sheet

Company : Shanghai Aladdin Biochemical Tech Co., Ltd  
Address : 36 Xinjinqiao Road, Shanghai  
Telephone : 400-620-6333  
Fax : no data available

### 1.4 Emergency telephone number

Emergency Phone : 0532-83889090

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
CFR 1910.1200: Acute Toxicity - Oral [Category 2] Acute Toxicity - Dermal [Category 2] Acute Toxicity - Inhalation [Category 2] Eye Damage/Irritation [Category 1] Corrosive to Metals [Category 1] Skin Corrosion/Irritation [Category 1B]

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H290

May be corrosive to metals

Precautionary statement(s)

P234

Keep only in original container.

P260

Do not breathe dust/fume/gas/mist/vapors/spray.

P262

Do not get in eyes, on skin, or on clothing.

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|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P264           | Wash hands [and ...] thoroughly after handling.                                                                                  |
| P270           | Do not eat, drink or smoke when using this product.                                                                              |
| P271           | Use only outdoors or in a well-ventilated area.                                                                                  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P284           | [In case of inadequate ventilation] Wear respiratory protection.                                                                 |
| P302           | IF ON SKIN:                                                                                                                      |
| P320           | Specific treatment is urgent (see ... on this label).                                                                            |
| P330           | Rinse mouth.                                                                                                                     |
| P361           | Take off immediately all contaminated clothing.                                                                                  |
| P363           | Wash contaminated clothing before reuse.                                                                                         |
| P390           | Absorb spillage to prevent material damage.                                                                                      |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                               |
| P302+P352      | IF ON SKIN: wash with plenty of water.                                                                                           |
| 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 and easy to do - continue rinsing. |
| P361+P364      | Take off immediately all contaminated clothing and wash it before reuse.                                                         |
| P405           | Store locked up.                                                                                                                 |
| P406           | Store in corrosive resistant/... container with a resistant inner liner.                                                         |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                                                                 |
| P501           | Dispose of contents/container to an approved waste disposal plant.                                                               |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                   |
|------------------|---------------------------------------------------|
| Synonyms         | : ['Chloroformic Acid 2-Naphthyl Ester']          |
| Formula          | : C <sub>11</sub> H <sub>7</sub> ClO <sub>2</sub> |
| Molecular weight | : 206.63                                          |
| CAS No.          | : 7693-50-7                                       |
| EC-NO.           | : no data available                               |

| Component                | Classification    | Concentration |
|--------------------------|-------------------|---------------|
| 2-Naphthyl Chloroformate | no data available | ≥97%          |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice

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no data available

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

In case of skin contact

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If swallowed

Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

## 4.2 Most important symptoms and effects, both acute and delayed

no data available

## 4.3 Indication of any immediate medical attention and special treatment needed

no data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Dry chemical, carbon dioxide.

Unsuitable extinguishing media

Water

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

These products include: Carbon oxides Halogenated compounds. Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. WARNING: Highly toxic HCl gas is produced during combustion.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus if possible.

### 5.4 Further information

Use water spray to cool unopened containers.

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## SECTION 6: Accidental release measures

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

Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

### 6.2 Environmental precautions

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Prevent product from entering drains.

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

Clean up the dust and collect it in a closed container, taking care not to disperse it. Adhered or aggregated materials shall be disposed of in a timely manner in accordance with local laws and regulations. Prevention of secondary hazards: Do not contact with water. Remove all sources of ignition. In case of fire, fire extinguishing devices shall be prepared. Use spark proof tools and explosion-proof equipment.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing. May develop pressure. Open carefully. Use corrosive resistant equipment. Conditions for safe storage, including any incompatibilities

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

Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store under inert gas. Protect from moisture. Store locked up. Store away from incompatible materials such as oxidizing agents. Moisture-sensitive, 2-8 °C, filled with argon, stored away from light.

### 7.3 Specific end use(s)

no data available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust. Also install safety shower and eye bath.

Personal protective equipment

Eye/face protection

Safety goggles. A face-shield, if the situation requires.

Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and

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procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

Body Protection

Impervious gloves. Impervious protective clothing. Protective boots, if the situation requires.

Respiratory protection

Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                                          |
|-------------------------------------------------|----------------------------------------------------------|
| a) Appearance                                   | form: Crystal - Powder Solid color: White - Almost white |
| b) Odour                                        | no data available                                        |
| c) Odour Threshold                              | no data available                                        |
| d) pH                                           | no data available                                        |
| e) Melting point/freezing point                 | 62°C (144°F)                                             |
| f) Initial boiling point and boiling range      | 112°C /0.1kPa (234°F)                                    |
| g) Flash point                                  | no data available                                        |
| h) Evaporation rate                             | no data available                                        |
| i) Flammability (solid, gas)                    | no data available                                        |
| j) Upper/lower flammability or explosive limits | no data available                                        |
| k) Vapour pressure                              | no data available                                        |
| l) Vapour density                               | no data available                                        |
| m) Relative density                             | no data available                                        |
| n) Water solubility                             | Soluble:Toluene                                          |
| o) Partition coefficient: n-octanol/water       | no data available                                        |
| p) Auto-ignition temperature                    | no data available                                        |
| q) Decomposition temperature                    | no data available                                        |
| r) Viscosity                                    | no data available                                        |
| s) Explosive properties N                       | no data available                                        |
| t) Oxidizing properties N                       | no data available                                        |

### 9.2 Other safety information

no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

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Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Moisture

### 10.5 Incompatible materials

Oxidizing agents, Acids, Bases

### 10.6 Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Hydrogen chloride

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

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## SECTION 12: Ecological information

### 12.1 Toxicity

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## 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 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

Product

Disposal of product: Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil. Other considerations: Observe all federal, state and local regulations when disposing of the substance.

Contaminated packaging

Disposal of container: Dispose of as unused product. Do not re-use empty containers.

## SECTION 14: Transport information

DOT (US)

UN number: UN3277

Packing group: II

Class: 6.1,8

Proper shipping name: Chloroformates, Reportable Quantity(RQ): no data  
toxic, corrosive, n.o.s

available

Poison Inhalation Hazard: no data  
available

Environmental Hazards: no data available

IMDG

UN number: UN3277

Packing group: II

EMS-No: EmS number: F-E, S-C

Proper shipping name: Chloroformates, toxic, corrosive, n.o.s

IATA

UN number: UN3277

Packing group: II

Class: 6.1,8

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Proper shipping name: Chloroformates, toxic, corrosive, n.o.s

## SECTION 15: Regulatory information

### Toxic Substance Control Act

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet. US Federal Regulations

### US Federal Regulations

SARA 313: Not Listed

SARA 302: Not Listed

### State Regulations

Massachusetts Not Listed

New Jersey Not Listed

Pennsylvania Not Listed

### Other Information

NFPA Rating: HMIS Classification: Health: 3 Health: 3 Flammability: 0 Flammability: 0 Instability: 0 Physical: 0

## SECTION 16: Other information

### Further information

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