

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2025-09-20  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Acetochlor  
Product Number : A110044  
Brand : aladdin  
CAS-No. : 34256-82-1

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

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Skin sensitization (Category 1), H317

Carcinogenicity (Category 2), H351

Reproductive toxicity (Category 2), H361f

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Specific target organ toxicity - repeated exposure (Category 2), Kidney, H373

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Warning

Signal word

Hazard statement(s)

|       |                                                                |
|-------|----------------------------------------------------------------|
| H315  | Causes skin irritation                                         |
| H317  | May cause an allergic skin reaction                            |
| H332  | Harmful if inhaled                                             |
| H335  | May cause respiratory irritation                               |
| H351  | Suspected of causing cancer                                    |
| H361f | Suspected of damaging fertility                                |
| H373  | Causes damage to organs through prolonged or repeated exposure |
| H400  | Very toxic to aquatic life                                     |
| H410  | Very toxic to aquatic life with long lasting effects           |

Precautionary statement(s)

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| P260      | Do not breathe dust/fume/gas/mist/vapors/spray.                            |
| P261      | Avoid breathing dust/fume/gas/mist/vapors/spray.                           |
| P264      | Wash hands [and ...] thoroughly after handling.                            |
| P271      | Use only outdoors or in a well-ventilated area.                            |
| P272      | Contaminated work clothing should not be allowed out of the workplace.     |
| P273      | Avoid release to the environment.                                          |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection. |
| P321      | Specific treatment (see ... on this label).                                |
| P391      | Collect spillage.                                                          |
| P302+P352 | IF ON SKIN: wash with plenty of water.                                     |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P333+P313 | IF SKIN irritation or rash occurs: Get medical advice/attention.           |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                   |
| P405      | Store locked up.                                                           |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.           |
| P501      | Dispose of contents/container to an approved waste disposal plant.         |
| P203      | Obtain, read and follow all safety instructions before use.                |
| P318      | if exposed or concerned, get medical advice.                               |
| P317      | Get emergency medical help.                                                |
| P332+P317 | If skin irritation occurs: Get medical help.                               |
| P319      | Get medical help if you feel unwell.                                       |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Synonyms         | : 2-Chloro-2'-methyl-6'-ethyl-N-ethoxymethyl        |
| Formula          | : C <sub>14</sub> H <sub>20</sub> ClNO <sub>2</sub> |
| Molecular weight | : 269.77                                            |
| CAS No.          | : 34256-82-1                                        |
| EC-NO.           | : 251-899-3                                         |

| Component  | Classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Concentration          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Acetochlor | Acute toxicity Category 4; Acute toxicity Category 5; Skin corrosion/irritation Category 2; Skin sensitization Category 1; Carcinogenicity Category 2; Reproductive toxicity Category 2; Specific target organ toxicity - single exposure Category 3; Specific target organ toxicity - repeated exposure Category 2; Short-term (acute) aquatic hazard Category 1; Longterm (chronic) aquatic hazard Category 1; H332, H313, H315, H317, H351, H361, H335, H373, H400, H410 M-Factor - Aquatic Acute: 10 | analytical<br>standard |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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**Suitable extinguishing media**Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder**Unsuitable extinguishing media**

no data available

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

Carbon oxides Nitrogen oxides (NO<sub>x</sub>) Hydrogen chloride gas Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**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 personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**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**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection,use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

##### Control of environmental exposure

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| a) Appearance                              | form: liquid color: Yellow to dark brown |
| b) Odour                                   | no data available                        |
| c) Odour Threshold                         | no data available                        |
| d) pH                                      | no data available                        |
| e) Melting point/freezing point            | no data available                        |
| f) Initial boiling point and boiling range | no data available                        |
| g) Flash point                             | no data available                        |
| h) Evaporation rate                        | no data available                        |
| i) Flammability (solid, gas)               | no data available                        |

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|                                                 |                   |
|-------------------------------------------------|-------------------|
| 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                             | 1.1               |
| n) Water solubility                             | no data available |
| 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

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

no data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LC50 Inhalation - 4 h - 11 mg/l

(Acute toxicity estimate)

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LD50 Dermal - Rat - male and female - 4.166 mg/kg

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

Eyes - Rabbit Result: Mild eye irritation (Draize Test)

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

Suspected of damaging fertility.

**Specific target organ toxicity - single exposure**

May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure. - Kidney

**Aspiration hazard**

no data available

**Additional Information**

RTECS: AB5457000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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**SECTION 12: Ecological information****12.1 Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0,38 mg/l - 96,0 h

Toxicity to daphnia and other aquatic invertebrates

**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

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## 12.6 Other adverse effects

no data available

## SECTION 13:

### 13.1 Disposal considerations

#### Product

Recycle to process, if possible. Consult your local regional authorities and an expert of disposal. You may be able to dissolve or mix material with a combustible solvent and little by little burn in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of the substance is burned at a time, an explosion may occur.

Observe all federal, state and local regulations when disposing of the substance.

#### Contaminated packaging

Dispose of as unused product.

## SECTION 14: Transport information

#### DOT (US)

UN number: 3082

Packing group: III

Class: 9

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Acetochlor)

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: yes

#### IMDG

UN number: 3082

Packing group: III

EMS-No: no data available

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Acetochlor)

#### IATA

UN number: 3082

Packing group: III

Class: 9

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Acetochlor)

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## SECTION 16: Other information

#### Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

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11-Oct-2021

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SDS sections updated v1

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