

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2023-07-15  
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Alachlor  
Product Number : A109966  
Brand : aladdin  
CAS-No. : 15972-60-8

### 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)

Acute toxicity, oral (category 4), H302

Acute toxicity, dermal (category 5), H313

Skin corrosion/irritation (category 3), H316

Skin allergies (category 1), H317

Carcinogenicity (Category 2), H351

Acute (short-term) aquatic hazard (category 1), H400

Long-term aquatic hazard (category 1), H410

### 2.2 GHS Label elements, including precautionary statements

**Pictogram**



**Signal word**

**Warning**

**Hazard statement(s)**

H302

Harmful if swallowed

H317

May cause an allergic skin reaction

H351

Suspected of causing cancer

H400

Very toxic to aquatic life

H410

Very toxic to aquatic life with long lasting effects

**Precautionary statement(s)**

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P264

Wash hands [and ...] thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

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.

P330

Rinse mouth.

P391

Collect spillage.

P301+P312

IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.

P302+P352

IF ON SKIN: wash with plenty of water.

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.

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	: 2-Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide
Formula	: C <sub>14</sub> H <sub>20</sub> ClNO <sub>2</sub>
Molecular weight	: 269.77
CAS No.	: 15972-60-8
EC-NO.	: 240-110-8

Component	Classification	Concentration
Alachlor	Acute Toxicity Category 4; Acute Toxicity Category No 5; Skin corrosion/irritation category 3; Skin allergy category 1; carcinogenicity category 2; Acute (short-term) aquatic hazards Category 1; Long-term aquatic hazard Category 1; H302, H313, H316, H317, H351, H400, H410	analytical standard

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

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

#### If inhaled

After inhalation: fresh air.

#### 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

Do NOT induce vomiting. 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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

no data available

## SECTION 5: Firefighting measures

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

## **5.1 Extinguishing media**

### **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 Hydrogen chloride gas is flammable. In the event of a fire, hazardous gases or vapors may be produced.

## **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**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **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**

Precautions for safe handling Operate under a fume hood. Do not inhale the substance/mixture. Hygiene measures Change contaminated clothing immediately. Use skin protection lotion. Wash hands and face after using this substance. For preventive measures, see section 2.2.

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

Close tightly. Dry. Sensitive to light.

### **7.3 Specific end use(s)**

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Phone: +1 (833) 552-7181 Email: [QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com) Website: <https://www.aladdinsci.com/>

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

##### Eyel/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

##### 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 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

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 respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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

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

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	40-41°C
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
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	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

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## 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 oxidants

### 10.6 Hazardous decomposition products

no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral-Rat-930 mg/kg

Remarks: (RTECS)

Inhalation: No data available

LD50 transdermal-rabbit-3,500 mg/kg

Remarks: (RTECS)

**Skin corrosion/irritation**

Skin-Rabbit Result: Mild skin irritation Remarks: (IUCLID)

**Serious eye damage/eye irritation**

Eyes-Rabbit Result: No eye irritation Remarks: (IUCLID)

**Respiratory or skin sensitisation**

May cause skin allergic reaction.

**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

Toxicity to fish static test LC50-Oncorhynchus mykiss (rainbow trout)-0.24 mg/l-96 h

Remarks: (ECOTOX database)

No ridge to water flea and other aquatic species

Toxicity of Vertebral Animals

EC50-Daphnia magna (Water flea)-13 mg/l-48 h

Remarks: (IUCLID)

### 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

Avoid discharge into the surrounding environment.

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## SECTION 13:

### 13.1 Disposal considerations

#### Product

ecycle 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.

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## SECTION 14: Transport information

### DOT (US)

UN number: 3077

Packing group: III

Class: 9

Proper shipping name: Environmentally Reportable Quantity(RQ): no data  
hazardous substance, solid, n.o.s. available  
(Alachlor)

Poison Inhalation Hazard: no data  
available

Environmental Hazards: Yes

### IMDG

UN number: 3077

Packing group: III

EMS-No: no data available

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Alachlor)

### IATA

UN number: 3077

Packing group: III

Class: 9

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Alachlor)

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## SECTION 15: Regulatory information

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



## SECTION 16: Other information

### Further information

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