

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-12

Print Date: 2025-09-16

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

### 1.1 Product identifiers

Product name : 2-Fluoroaniline  
Product Number : F107841  
Brand : aladdin  
CAS-No. : 348-54-9

### 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)

Flammable liquids Category 3

Acute toxicity (Oral) Category 3

Acute toxicity (Dermal) Category 3

Acute toxicity (Inhalation) Category 3

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

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

|                                   |  |
|-----------------------------------|--|
| H226                              | Flammable liquid and vapor   |
| H301                              | Toxic if swallowed   |
| H302                              | Harmful if swallowed   |
| H311                              | Toxic in contact with skin   |
| H315                              | Causes skin irritation   |
| H317                              | May cause an allergic skin reaction  |
| H318                              | Causes serious eye damage  |
| H331                              | Toxic if inhaled   |
| H335                              | May cause respiratory irritation   |
| H341                              | Suspected of causing genetic defects   |
| H351                              | Suspected of causing cancer  |
| H372                              | Causes damage to organs through prolonged or repeated exposure   |
| H400                              | Very toxic to aquatic life   |
| <b>Precautionary statement(s)</b> |  |
| P210                              | Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.          |
| P233                              | Keep container tightly closed.   |
| P240                              | Ground/bond container and receiving equipment.   |
| P241                              | Use explosion-proof [electrical/ventilating/lighting/.../] equipment.                                    |
| P242                              | Use only non-sparking tools.   |
| P243                              | Take precautionary measures against static discharge.  |
| 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.  |
| P270                              | Do not eat, drink or smoke when using this product.  |
| 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.                               |
| P281                              | Use personal protective equipment as required.   |
| P321                              | Specific treatment (see ... on this label).  |
| P330                              | Rinse mouth.   |
| P391                              | Collect spillage.  |
| P302+P352                         | IF ON SKIN: wash with plenty of water.   |
| P303+P361+P353                    | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. |
| 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.   |
| P361+P364                         | Take off immediately all contaminated clothing and wash it before reuse.                                 |
| P362+P364                         | Take off contaminated clothing and wash it before reuse.   |
| P370+P378                         | In case of fire: Use ... to extinguish.  |
| P405                              | Store locked up.   |

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|                |  |
|----------------|--|
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P501           | Dispose of contents/container to an approved waste disposal plant.   |
| P203           | Obtain, read and follow all safety instructions before use.  |
| P264+P265      | Wash hands [and ...] thoroughly after handling. Do not touch eyes.   |
| P301+P316      | IF SWALLOWED: Get emergency medical help immediately.  |
| P301+P317      | IF SWALLOWED: Get medical help.  |
| P305+P354+P338 | IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P318           | if exposed or concerned, get medical advice.   |
| P317           | Get emergency medical help.  |
| P332+P317      | If skin irritation occurs: Get medical help.   |
| P316           | Get emergency medical help immediately.  |
| 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         | : 1-Amino-2-fluorobenzene          |
| Formula          | : C <sub>6</sub> H <sub>6</sub> FN |
| Molecular weight | : 111.12                           |
| CAS No.          | : 348-54-9                         |
| EC-NO.           | : 206-478-9                        |

| Component              | Classification    | Concentration |
|------------------------|-------------------|---------------|
| <b>2-Fluoroaniline</b> | no data available | ≥99%          |

## 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

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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

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Dry chemical, foam, water spray, carbon dioxide.

**Unsuitable extinguishing media**

Solid streams of water

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

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen fluoride

**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**

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## 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 a cool place. Keep the container tightly closed and store in a dry and ventilated place. Sensitive to light and air, filled with argon, and 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

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.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| a) Appearance                                   | form: liquid color: colorless to 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      | 170°C                                  |
| g) Flash point                                  | 60°C                                   |
| 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                             | 1.151                                  |
| 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

Heat, flames and sparks.

### 10.5 Incompatible materials

Oxidizing agents

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## 10.6 Hazardous decomposition products

Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx), Hydrogenfluoride

## 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**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

RTECS: Not available Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

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## 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

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: no data available

Packing group: III

Class: 3(6.1)

Proper shipping name: Fluoroanilines

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: no data available

Environmental Hazards: no

### IMDG

UN number: no data available

Packing group: III

EMS-No: no data available

Proper shipping name: Fluoroanilines

### IATA

UN number: no data available

Packing group: III

Class: 3(6.1)

Proper shipping name: Fluoroanilines

## 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

Email: QualityAssurance@aladdinsci.com

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|-------------------------|-------------------------|
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| <b>Print Date</b>       | 16-Sep-2025             |
| <b>Revision Summary</b> | SDS sections updated v1 |

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