

# SAFETY DATA SHEET

Version: v1

Revision Date: 2025-09-14

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

### 1.1 Product identifiers

Product name : Fluridone  
Product Number : F114981  
Brand : aladdin  
CAS-No. : 59756-60-4

### 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)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H311 Toxic in contact with skin  
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P321 Specific treatment (see ... on this label).

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|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| P391      | Collect spillage.                                                        |
| P302+P352 | IF ON SKIN: wash with plenty of water.                                   |
| P361+P364 | Take off immediately all contaminated clothing and wash it before reuse. |
| P405      | Store locked up.                                                         |
| P501      | Dispose of contents/container to an approved waste disposal plant.       |
| P316      | Get emergency medical help immediately.                                  |

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

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| Synonyms         | : 1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1H)-pyridinone;Fluridon |
| Formula          | : C <sub>19</sub> H <sub>14</sub> F <sub>3</sub> NO                         |
| Molecular weight | : 329.32                                                                    |
| CAS No.          | : 59756-60-4                                                                |
| EC-NO.           | : 261-916-6                                                                 |

| Component | Classification    | Concentration       |
|-----------|-------------------|---------------------|
| Fluridone | no data available | analytical standard |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### 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. Take victim immediately to hospital. 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

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

no data available

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

Hazardous decomposition products formed under fire conditions.- Carbon oxides, Hydrogen fluoride, nitrogen oxides

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

no data available

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## SECTION 6: Accidental release measures

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

Wear respiratory protection.Avoid dust formation.Avoid breathing vapors, mist or gas.Ensure adequate ventilation.

<br/>Evacuate personnel to safe areas.Avoid breathing dust.<br/>

### 6.2 Environmental precautions

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

<br/>must be avoided.

### 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

<br/>disposal.<br/>

### 6.4 Reference to other sections

no data available

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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.<br/>Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.<br/><br/>Fluka - 45511 Page 3 of 6

<br/>

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

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Keep container tightly closed in a dry and well-ventilated place.<br/>

**7.3 Specific end use(s)**

no data available

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**8.2 Exposure controls**

**Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.  
 <br/>

**Personal protective equipment**

**Eye/face protection**

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

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching  
 <br/>glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in  
 <br/>accordance with applicable laws and good laboratory practices. Wash and dry hands.<br/>

**Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the  
 <br/>concentration and amount of the dangerous substance at the specific workplace.<br/>

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type  
 N99 <br/>(US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is  
 the sole <br/>means of protection, use a full-face supplied air respirator. Use respirators and components tested  
 and approved <br/>under appropriate government standards such as NIOSH (US) or CEN (EU).<br/>

**Control of environmental exposure**

no data available

**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            | 154-155 &ordm;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 |

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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                             | 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

## 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

Hazardous decomposition products formed under fire conditions.- Carbon oxides, Hydrogen fluoride, nitrogen oxides(NOx)Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NOx), Hydrogenfluorid

## 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 sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**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**

no data available

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

Toxicity to fish mortality LOEC - *Stizostedion vitreum* - 1.2 mg/l - 96.0 h LC50 - *Oncorhynchus mykiss* (rainbow trout) - 7.7 mg/l - 96.0 h mortality NOEC - *Stizostedion vitreum* - 0.78 mg/l - 96.0 h Toxicity to daphnia and other aq

**12.2 Persistence and degradability**

Bioaccumulation *Oncorhynchus mykiss* (rainbow trout) - 6 Months <br/> Bioconcentration factor (BCF): 23.39 <br/>

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

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An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.<br/>Toxic to aquatic life with long lasting effects.<br/><br/>

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

no data available

SECTION 14: Transport information

DOT (US)

|                                                                                                                                       |                                            |                                             |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------|
| UN number: 3077                                                                                                                       | Packing group: III                         | Class: 9                                    |
| Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-Methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4-pyridone) | Reportable Quantity(RQ): no data available | 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. (1-Methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4-pyridone) |                    |                           |

IATA

|                                                                                                                                       |                    |          |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------|
| UN number: 3077                                                                                                                       | Packing group: III | Class: 9 |
| Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1-Methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4-pyridone) |                    |          |

SECTION 15: Regulatory information

no data available

SECTION 16: Other information

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Regulatory Affairs  
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10-Sep-2020

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|                         |                         |
|-------------------------|-------------------------|
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| <b>Print Date</b>       | 21-Sep-2025             |
| <b>Revision Summary</b> | SDS sections updated v1 |

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