

# SAFETY DATA SHEET

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

### 1.1 Product identifiers

Product name : 5-Nitrouracil  
Product Number : N119336  
Brand : aladdin  
CAS-No. : 611-08-5

### 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 (oral): Category 5

### 2.2 GHS Label elements, including precautionary statements

Pictogram : no data available  
Signal word : Warning  
Hazard statement(s)  
H303 : May be harmful if swallowed  
Precautionary statement(s)

|      |                                                                    |
|------|--------------------------------------------------------------------|
| P312 | Call a POISON CENTER or doctor/... if you feel unwell.             |
| 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         | : 2,4-Dihydroxy-5-nitropyrimidine                             |
| Formula          | : C <sub>4</sub> H <sub>3</sub> N <sub>3</sub> O <sub>4</sub> |
| Molecular weight | : 157.09                                                      |
| CAS No.          | : 611-08-5                                                    |
| EC-NO.           | : 210-250-4                                                   |

| Component     | Classification    | Concentration |
|---------------|-------------------|---------------|
| 5-Nitrouracil |                   |               |
|               | no data available | ≥99%          |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

no data available

#### If inhaled

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

#### In case of skin contact

Wash off with soap and plenty of water.

#### 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.

### 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

no data available

### 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

Avoid dust formation.

### 6.2 Environmental precautions

Do not let product enter drains.

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

Sweep up and shovel.Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

no data available

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.

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

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

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Safety glasses

##### Skin protection

For prolonged or repeated contact use protective gloves.

##### Body Protection

no data available

##### Respiratory protection

Respiratory protection is not required.Where protection from nuisance levels of dusts are desired, use type N95(US) or type P1 (EN 143) dust masks.Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

no data available

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| a) Appearance                              | form: powder color: White or light yellow |
| b) Odour                                   | no data available                         |
| c) Odour Threshold                         | no data available                         |
| d) pH                                      | no data available                         |
| e) Melting point/freezing point            | > 300 °C (> 572 °F)                       |
| 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 oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.- Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

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## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Acute toxicity

Acute toxicity estimate orally -3250 mg/kg

(Calculation method)

LD50 Oral - Mouse -3250 mg/kg

Inhalation: No data available

Transcutaneous: 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

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.

### 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

May be harmful if inhaled. May cause respiratory tract irritation.

### Additional Information

Registration of Toxic Effects of Chemical Substances: UV9104545

To our knowledge, the chemical, physical, and toxic properties of this substance have not been fully studied.

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## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 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**  
Observe all federal, state, and local environmental regulations.  
**Contaminated packaging**  
Dispose of as unused product.

SECTION 14: Transport information

|                                         |                                           |                                            |
|-----------------------------------------|-------------------------------------------|--------------------------------------------|
| <b>DOT (US)</b>                         |                                           |                                            |
| UN number:no data available             | Packing group:no data available           | Class:no data available                    |
| Proper shipping name:no data available  | Reportable Quantity(RQ):no data available | Poison Inhalation Hazard:no data available |
| Environmental Hazards:no data available |                                           |                                            |
| <b>IMDG</b>                             |                                           |                                            |
| UN number:no data available             | Packing group:no data available           | EMS-No:no data available                   |
| Proper shipping name:no data available  |                                           |                                            |
| <b>IATA</b>                             |                                           |                                            |
| UN number:no data available             | Packing group:no data available           | Class:no data available                    |
| Proper shipping name:no data available  |                                           |                                            |

SECTION 15: Regulatory information

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



**SECTION 16: Other information**

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: QualityAssurance@aladdinsci.com |
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