

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

# SAFETY DATA SHEET

Version: v1  
Revision Date: 2024-01-15  
Print Date: 2024-01-20

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

### 1.1 Product identifiers

Product name : Aminopterin Hydrate  
Product Number : A107171  
Brand : aladdin  
CAS-No. : 54-62-6

### 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)

H300 Fatal if swallowed  
H360 May damage fertility or the unborn child

Precautionary statement(s)

P264 Wash hands [and ...] thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P330 Rinse mouth.

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14078 Meridian Parkway, Riverside, CA. 92518

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 : 4-Aminofolic Acid Hydrate; 4-Amino-PGA Hydrate; 4-Aminopteroyl-L-glutamic Acid Hydrate; Aminopterin Hydrate  
Formula : C<sub>19</sub>H<sub>20</sub>N<sub>8</sub>O<sub>5</sub>·xH<sub>2</sub>O  
Molecular weight : 440.41 (as Anhydrous)  
CAS No. : 54-62-6  
EC-NO. : 200-209-9

Component	Classification	Concentration
Aminopterin Hydrate	no data available	98%

### 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

Hematology

#### 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

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, nitrogen oxides (NOx)

## 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.

### 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/><br/>Sigma - A1784 Page 3 of 7 <br/>

### 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.<br/>Provide appropriate exhaust ventilation at places where dust is formed.<br/>

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

Keep container tightly closed in a dry and well-ventilated place.<br/>Recommended storage temperature: -20 °C

<br/>Keep in a dry place.Keep in a dry place.<br/>

### 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

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 N100 <br/>(US) or type P3 (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	185-204°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

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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

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

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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

no data available

Additional Information

no data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available <br/>

### 12.3 Bioaccumulative potential

no data available <br/>

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available <br/><br/>

### 12.6 Other adverse effects

no data available

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## SECTION 13:

### 13.1 Disposal considerations

Product

no data available

Contaminated packaging

no data available

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**SECTION 14: Transport information**

## DOT (US)

UN number: 2811

Packing group: I

Class: 6.1

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (N-[4-[[[(2,4-Diamino-6-pteridiny]methyl]amino]benzoyl]-L-glutamic acid)

Reportable Quantity(RQ): no data available

Poison Inhalation Hazard: No

Environmental Hazards: No

## IMDG

UN number: 2811

Packing group: I

EMS-No: No

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (N-[4-[[[(2,4-Diamino-6-pteridiny]methyl]amino]benzoyl]-L-glutamic acid)

## IATA

UN number: 2811

Packing group: I

Class: 6.1

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (N-[4-[[[(2,4-Diamino-6-pteridiny]methyl]amino]benzoyl]-L-glutamic acid)

**SECTION 15: Regulatory information**

no data available

**SECTION 16: Other information****Prepared By**

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

Email: QualityAssurance@aladdinsci.com

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**Revision Summary**

SDS sections updated v1

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