

Version: v1  
Revision Date: 2023-11-04  
Print Date: 2023-11-13

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name : Adenosine 5'-triphosphate disodium salt hydrate  
Product Number : A111205  
Brand : aladdin  
CAS-No. : 34369-07-8

#### 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)**

#### 2.2 GHS Label elements, including precautionary statements

Pictogram no data available  
Signal word no data available  
Hazard statement(s)  
Precautionary statement(s)

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

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms : 5'-ATP 2Na Hydrate; 5'-ATP-Na2 ATP disodium salt hydrate

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

Formula	: C10H14N5Na2O13P3·xH2O
Molecular weight	: 551.14(anhydrous basis)
CAS No.	: 34369-07-8
EC-NO.	: no data available

Component	Classification	Concentration
<b>Adenosine 5'-triphosphate disodium salt hydrate</b>		
no data available		98%

#### 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

#### 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.

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

**5.4 Further information**

no data available

---

**SECTION 6: Accidental release measures**

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

Avoid breathing vapours, mist or gas.

**6.2 Environmental precautions**

Do not let product enter drains.

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

Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

---

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store under inert gas. hygroscopic Recommended storage temperature: -20 °C , Sensitive to light and heat, easy to absorb moisture

**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**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eyeface protection**

---

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

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**

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.

#### **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**

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

### **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	no data available
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

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

## 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

no data available

### 10.6 Hazardous decomposition products

no data available

---

## 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

no data available

#### Specific target organ toxicity - repeated exposure

---

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

no data available

**Aspiration hazard**

no data available

**Additional Information**

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

**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**

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: -

Class: -

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

Proper shipping name: Not dangerous goods

Reportable Quantity(RQ): no data available Poison Inhalation Hazard: no data

Environmental Hazards: No

**IMDG**

UN number: no data available

Packing group: -

EMS-No: no data available

Proper shipping name: Not dangerous goods

**IATA**

UN number: no data available

Packing group: -

Class: -

Proper shipping name: Not dangerous goods

---

**SECTION 15: Regulatory information**

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

---

**SECTION 16: Other information**

**Further information**

Copyright Aladdin Co. Ltd. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aladdin Co. Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Version: v1

Revision Date: 2023-11-04

Print Date: 2023-11-13

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