

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name Adenosine Triphosphate Disodium

CAS number 34369-07-8

Synonyms ATP, disodium salt hydrate

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory chemicals

#### 1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC  
12501 Pauls Valley Road  
Austin, Texas 78737  
U.S.A.

Telephone 512-668-9918

Fax 512-886-4008

#### 1.4 Emergency telephone

|                          |                              |          |
|--------------------------|------------------------------|----------|
| <b>Emergency Phone #</b> | US & Canada: 1-800-535-5053  | INFOTRAC |
|                          | International 1-352-323-3500 | INFOTRAC |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Specific target organ toxicity - (repeated exposure) Category 2  
Target Organs - Kidney, Central nervous system (CNS), Blood

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

Pictogram



Signal Word

Warning

Hazard statements

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention:

Do not get in eyes, on skin, or on clothing.

Response:

Get medical attention/advice if you feel unwell.

Storage:

Store locked up.

Disposal:

Dispose of contents/container to an approved waste disposal plant.

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

None identified.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

| Chemical name                      | Common name and synonyms   | CAS number | Concentration |
|------------------------------------|----------------------------|------------|---------------|
| Adenosine Triphosphate<br>Disodium | ATP, disodium salt hydrate | 34369-07-8 | 98%           |

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

If inhaled

Remove from exposure, lie down. Remove to fresh air. Get medical attention.

In case of skin contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

If swallowed

Do NOT induce vomiting. Get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Water spray. Carbon dioxide. Dry chemical. Chemical foam.

**Unsuitable extinguishing media** No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Hazardous combustion products: Nitrogen oxides. Carbon monoxides. Carbon dioxides. Oxides of phosphorus.

### 5.3 Special protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 5.4 Further information

**Flash Point** No information available.

**Autoignition Temperature** No information available.

#### Explosion limits

**Upper** No data available.  
**Lower** No data available.  
**Sensitivity to Mechanical Impact** No information available.  
**Sensitivity to Static Discharge** No information available.

#### NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 1      | 1            | 0           | N/A              |

## SECTION 6: Accidental release measures

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

Ensure adequate ventilation. Use personal protective equipment as required.

### 6.2 Environmental precautions

See Section 12 for additional ecological information.

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

Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment. Avoid dust formation. Use spark-proof tools and explosion-proof equipment.

#### 6.4 Reference to other sections

See section 2 for full list of hazard and precaution statements.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

##### Precautions on safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe dust. Do not ingest. If swallowed then seek immediate medical assistance.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

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

##### Storage conditions

Keep in a dry place. Keep container tightly closed. Keep refrigerated.

##### Incompatibilities

Strong oxidizing agents.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

No information available.

##### US. ACGIH Threshold Limit Values

No information available.

##### US. NIOSH: Pocket Guide to Chemical Hazards

No information available.

##### Biological occupational exposure limits

No information available.

#### 8.2 Exposure controls

##### Appropriate engineering controls

None under normal use conditions.

## Personal protective equipment

### Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

### Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

### Respiratory protection

No protective equipment is needed under normal use conditions.

### Control of environmental exposure

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                               |
|--|-------------------------------|
| Physical State                         | Powder Solid                  |
| Appearance                             | White                         |
| Odor                                   | Odorless                      |
| Odor Threshold                         | No information available.     |
| pH                                     | 2.7 - 3.3 5% aq.sol           |
| Melting Point/Range                    | 188 - 190 °C / 370.4 - 374 °F |
| Boiling Point/Range                    | No information available.     |
| Evaporation Rate                       | No information available.     |
| Flammability (solid)                   | No information available.     |
| Flammability or explosive limit        |                               |
| Upper                                  | No data available.            |
| Lower                                  | No data available.            |
| Vapor Pressure                         | No information available      |
| Vapor Density                          | No information available      |
| Density                                | No information available      |
| Solubility                             | Soluble in water.             |
| Partition coefficient; n-octanol/water | No information available      |
| Autoignition Temp                      | No information available      |
| Decomposition Temp                     | No information available      |
| Viscosity                              | No information available      |
| Molecular Formula                      | C10H14N5Na2O13P3 . xH2O       |
| Molecular Weight                       | 551.14                        |
| VOC Content(%)                         | No information available      |
| Oxidizing properties                   | No information available      |

### 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None known, based on information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Incompatible products.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Nitrogen oxides, carbon monoxide, carbon dioxide, oxides of phosphorus.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product Information, Component Information

#### Acute toxicity

No information available.

#### Skin corrosion/irritation

No information available.

#### Serious eye damage/eye irritation

No information available.

#### Respiratory or skin sensitization

No information available.

#### Germ cell mutagenicity

No information available.

#### Carcinogenicity

| Component                          | CAS        | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|------------------------------------|------------|------------|------------|------------|------------|------------|
| Adenosine Triphosphate<br>Disodium | 34369-07-8 | Not listed | Not listed | Not listed | Not listed | Not listed |

#### Specific target organ toxicity - single exposure

None known.

**Specific target organ toxicity - repeated exposure**

Kidney, Central nervous system (CNS), Blood.

**Reproductive toxicity**

No information available.

**Chronic effects**

No information available.

**11.2 Additional Information**

No information available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Do not empty into drains.

**12.2 Persistence and degradability**

Soluble in water. Persistence is unlikely based on information available.

**12.3 Bio accumulative potential**

No information available.

**12.4 Mobility in soil**

Will likely be mobile in the environment due to its water solubility.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Endocrine disrupting properties**

No information available.

**12.7 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1 Waste Disposal Methods**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14: Transport information**

**DOT (US)**

No information available.

**IMDG**

No information available.

**IATA**

No information available.

**SECTION 15: Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous**

See section 2 for more information.

**SARA 313 (TRI reporting)**

Not listed.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not listed.

**Safe Drinking Water Act**

Not listed.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed

**US state regulations**



**US. Massachusetts RTK - Substance List**

Not listed

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed

**California Proposition 65**

Not listed

**SECTION 16: Other information**

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**SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.