

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
Navghar, Vasai (East), Palghar - 410210.  
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990  
Email: sales@oxfordlabchem.com /  
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## MATERIAL SAFETY DATA SHEET

### ADENOSINE-5-MONOPHOSPHORIC ACID SODIUM SALT

(A.M.P)

(For Biochemistry)

MSDS CAS: 4578-31-8

#### Section 1: Chemical Product and Company Identification

##### Section 1: Chemical Product

**Product Name:** ADENOSINE-5-MONOPHOSPHORIC ACID SODIUM SALT

**CAS#:** 4578-31-8

**Synonym:** A.M.P.

**Chemical Name:**

**Chemical Formula:** C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>7</sub>P

**Brand:** OXFORD

##### Details Of The Supplier Of The Safety Data Sheet:

**Company identification:** OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

#### Section 2: Composition and Information on Ingredients

##### Composition:

Name	CAS #	Percent	Hazardous
Adenosine-5-Monophosphoric Acid sodium Salt	4578-31-8	98-100%	NO

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**Oxford**  
Range of  
Laboratory Chemicals

## Section 3: Hazards Identification

This substance is not classified as dangerous according to Directive 67/548/EEC.

## Section 4: First Aid Measures

**Description of first aid measures**

**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.

## Section 5: Fire and Explosion Data

**Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Precautions for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: Accidental Release Measures

**Personal precautions:** Avoid dust formation.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

**Precautions for safe handling:** Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air and moisture sensitive. Store under inert gas.

Hygroscopic

## Section 8: Exposure Controls/Personal Protection

### Personal protective equipment

**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).

**Hand protection:** For prolonged or repeated contact use protective gloves.

**Eye protection:** Safety glasses

**Hygiene measures:** General industrial hygiene practice.

## Section 9: Physical and Chemical Properties

Appearance Form	: Crystalline
Colour	: white
Odour	: Odourless
Molecular Weight	: 391.18
Odour Threshold	: no data available
pH	: no data available;
Melting/freezing point	: 300°C
Initial boiling point and boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper/lower flammability or explosive limits:	no data available
Vapour pressure	: no data available;
Vapour density	: no data available
Relative density	: no data available;
Water solubility	: no data available
Partition coefficient: noctanol/water	: no data available
Autoignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Other safety information	: no data available

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## Section 10: Stability and Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Avoid moisture.

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition products**

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

## Section 11: Toxicological Information

**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 sensitization:** 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.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Potential health effects**

**Inhalation** : May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** : May be harmful if swallowed.

**Skin** : May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** : May cause eye irritation.

**Additional Information**

**RTECS:** Not available

## Section 12: Ecological Information

**Elimination information (persistence and degradability):** no data available

**Ecotoxicity effects:** no data available

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## Section 13: Disposal Considerations

### Waste treatment methods

**Product:** Observe all federal, state, and local environmental regulations.

**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General Information** : Not Regulated

### Sea transport (IMDG) [English only]

**General Information** : Not Regulated

### Air transport (ICAO-IATA) [English only]

**General Information** : Not Regulated

## Section 15: Other Regulatory Information

### Labelling according to EC Directives

**Further information:**

The product does not need to be labelled in accordance with EC directives or respective national laws.

## Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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