OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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Tel: +91 250 2390032 / 2390989 / 2390990
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Oxford
Range of
Laboratory Chemicals

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: $C_{10}H_{12}N_5Na_2O_7P$

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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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**

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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	**: Solid**
Colour	**: white crystalline**
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 (NOx), 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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