

**MATERIAL SAFETY DATA SHEET
VIVANTIS TECHNOLOGIES SDN BHD**

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SECTION 1: CHEMICAL IDENTIFICATION

Catalogue Number: PC1001-25g; PC1001-100g
Product Name: Adenosine 5'-Monophosphate, Disodium salt (AMP.2Na)

Intended Use:
For research use only. Not for use in diagnostic procedures.

Company Address:

Vivantis Technologies Sdn Bhd
No. 12A, Jalan TP5,
Taman Perindustrian UEP,
47600 Subang Jaya,
Selangor Darul Ehsan, Malaysia.
Tel: +6 016 226 0492
Email: info@vivanttechnologies.com
Website: www.vivanttechnologies.com

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	EC No.	Weight %
AMP	4578-31-8	-	>95

Synonyms: Adenylic acid disodium salt; AMP disodium salt; 5'-AMP disodium salt; Disodium AMP; Disodium 5'-AMP

SECTION 3: HAZARDS IDENTIFICATION

GHS Classification

No known hazards based on information supplied.

SECTION 4: FIRST-AID MEASURES

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

In case of skin contact, wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

In case of inhalation, move to fresh air. If not breathing, give artificial respiration.

In case of ingestion, never give anything by mouth to an unconscious person. Rinse mouth.

SECTION 5: FIRE FIGHTING MEASURES

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use dry chemical powder, appropriate form, carbon dioxide or water spray.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, ensure adequate ventilation, especially in confined areas. Wear respirator, chemical safety goggles, rubber boots and heavy rubber glove if necessary.

For cleaning up, avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site with soap solution after material pickup is done.

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SECTION 7: HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice.
 Keep containers tightly closed in a dry and cool place.
 Avoid breathing in dust and contact with eyes, skin or clothing.
 Wash face and hands thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	Where exposure limits are exceeded, wear respiratory protection such as dust mask where approved by NIOSH/MSHA. Avoid inhalation, contact with eyes, skin and clothing when handling the product. Avoid prolonged or repeated exposure if possible.
Eye/face protection	Use chemical safety glasses. Avoid contact with eyes.
Hand protection	Wear compatible chemical-resistant gloves. Wash hands thoroughly after handling.
Skin and body protection	Impervious clothing. Wear protection gloves/clothing. Wash face and hands thoroughly after handling.

Use engineering measures such as showers, eyewash stations and mechanical exhaust systems.
 Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Melting point:	>300°C

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid:	Strong oxidizing agents
Hazardous decomposition product:	Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorous oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

This product may be harmful by inhalation, ingestion or skin absorption.
Irritation to eyes and skin may occur when in contact.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

RTECS: AU7481600

Toxicity data

This product might have target organ toxicity towards lungs, thorax or respiration system.
For complete information, see actual entry in RTECS.

SECTION 12: ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with all federal, state and local environmental regulation.
For contaminated packing too dispose of as unused product.
Observe all federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated.

SECTION 15: REGULATORY INFORMATION

Not applicable.

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SECTION 16: OTHER INFORMATION

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