

## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product information

Product Name	<b>Adenosine</b>
Synonyms	Adenine-9- $\beta$ -D-ribofuranoside 9- $\beta$ -D-Ribofuranosyladenine Adenine riboside
Catalog Number	<b>CGIRP-1183</b>
Recommended use	Laboratory Use only

#### Manufacturer or supplier's name and address

ChemGenes India Pvt. Ltd  
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### SECTION 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Physical Hazards	Not Classified
Health Hazards	Not Classified
Environmental Hazards	Not Classified

#### Label elements

##### According to EC1272/08 Regulation

Symbol	None
Pictogram	None
Signal Word	None

#### Hazard Statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

#### Precautionary Statement

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
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P305+P351+P338 If enters eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

There are other cautious statements throughout the safety data sheet.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance related information

Substance Name	Adenosine
CAS No.	58-61-7
Formula	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight	267,24 g/mol

### **SECTION 4. FIRST AID MEASURES**

General advice

Consult a physician. Move out of dangerous area.

In case 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 case if swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed.

The most important known symptoms and effects are described in the labeling (see section 11)

Indication of any immediate medical attention and special treatment needed.

No data available

## **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media  
Suitable foam  
Dry extinguishing powder  
Carbon dioxide  
Water Spray Jet

Hazards arising from the substance or mixture  
Wear a self-contained breathing apparatus and chemical protective clothing.

### Fire-Fighting/Further Advice

Wear a self-contained breathing apparatus for s for firefighting. Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

Further information  
No data available

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### Personal Precautions

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. Avoid breathing dust. Do not attempt to take action without suitable protective clothing.

### Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up  
Data Not Available

### Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

## **SECTION 7. HANDLING AND STORAGE**

### Handling

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

### Storage

Storage temperature

Store At 2°C - 8°C

### Storage Requirements

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control parameters

Ingredients with workplace control parameters

### Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands clean to maintain hygiene.

### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin protection.

Use gloves. Gloves must be inspected before being used. To avoid skin contact with this product, remove gloves properly (without touching the outer surface). After using contaminated gloves, dispose of them in line with applicable legislation and good laboratory practices. Hands should be washed and thoroughly dried.

### Body Protection

Choose body protection based on the type, concentration, and volume of toxic substances, as well as the specific workplace. When selecting protective equipment for a workplace, consider the concentration and number of hazardous substances present.

### Respiratory Protection

Respiratory protection is not needed. Dust masks of type N95 (US) or P1 (EN 143) are recommended for protection against nuisance levels of dust. Use respirators

and components that have been tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU).

Control of environmental exposure.  
Do not let the product enter drains.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Powder
Appearance	White
Molecular Weight	267,24 g/mol

## **SECTION 10. STABILITY AND REACTIVITY**

Reactivity	No data available
Chemical stability	No data available
Hazardous reactions	No data available
Conditions to avoid	Incompatible materials
Incompatible materials	Strong oxidizing agents, Strong bases/acids

Hazardous decomposition products  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects	
Acute toxicity	No data available
Oral	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Eye damage/irritation	No data available
Respiratory/skin sensitization	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	No data available

Aspiration hazard No data available

Other Relevant Toxicity Information  
We are not aware of any toxicology data.

**SECTION 12. ECOLOGICAL INFORMATION**

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods	
Product	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.
Contaminated packaging	No data available

**SECTION 14. TRANSPORT INFORMATION**

UN number		
ADR/RID: -	IMDG: -	IATA: -
UN proper shipping name		
ADR/RID	Not dangerous goods	
IMDG	Not dangerous goods	
IATA	Not dangerous goods	
Transport hazard class(es)		
ADR/RID: -	IMDG: -	IATA: -
Packaging group		
ADR/RID: -	IMDG: -	IATA: -

Environmental hazards

ADR/RID:

IMDG: -

IATA:

Special precautions for user

Not considered unsafe according to transportation regulations.

**SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental and national regulations

The product is not covered by any additional restrictions or provisions.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

**SECTION 16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ChemGenes India Pvt. Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

ChemGenes India Pvt. Ltd.

-----End of Safety Data Sheet-----