

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name	Guanosine
Synonyms	9-(β -D-Ribofuranosyl)guanine Guanine-9- β -D-ribofuranoside
Catalog Number	CGIRP-1185
Recommended use	Laboratory Use only
Manufacturer or supplier's name and address	ChemGenes India Pvt. Ltd 207, Regency Plaza, 5-Park Road Lucknow-226 001,U.P, India, Ph: +91 86874 21036, Email: info@chemgenesindia.com

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



Pictogram

Signal Word Warning

Hazard Statement(s)

H302	Harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

Precautionary Statement

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P305+P351+P338 If enters eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

There are other cautious statements throughout the safety data sheet.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information

Substance Name	Guanosine
CAS No.	118-00-3
Formula	C10H13N5O5
Molecular Weight	283.24

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	283.24 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_x)
Carbon dioxide (CO₂)
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-----