

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name : **7-Deaza-2'-deoxyguanosine**
Synonyms: 7-Deaza-2'-deoxy-D-guanosine
Catalog Number: **CGIDD-4567**
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

Health Hazards

Skin corrosion/irritation (Category 2), H315
Serious eye damage/eye irritation (Category 2), H319
Acute toxicity (Category 4)
Single exposure: Respiratory tract irritation (Category 3), H335

Environmental Hazards Not Classified

Physical Hazards Not Classified

Label elements

Symbol
GHS07

Exclamation Mark



Pictogram
Signal Word

Warning

Hazard Statement

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Precautionary Statement

P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301	IF SWALLOWED:
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P304	IF INHALED:
P340	Remove casualty to fresh air and keep at rest in a position comfortable for breathing.
P305	IF IN EYES:
P351	Rinse cautiously with water for several minutes.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P403	Store in a well-ventilated place.
P233	Keep container tightly closed.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information

Substance name	7-Deaza-2'-deoxyguanosine
Synonyms	7-Deaza-2'-deoxy-D-guanosine
Cas No.	86392-75-8
Formula	C ₁₁ H ₁₄ N ₄ O ₄

SECTION 4. FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In case of eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

In case of skin contact

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

In case of ingestion

Wash out mouth with water provided person is conscious. Call a physician.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable Extinguishing Media

Foam

Dry extinguishing powder

Carbon dioxide (CO₂)

Water spray jet

Hazards During Fire-Fighting

Toxic Fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Potective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

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 and material for containment and cleaning up

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

Temperature <-15°C

Requirements Keep away from incompatible substances.
Close container well, Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Does not contain any substances with occupational exposure limits.

Exposure controls

Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment**Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Color	White
Form	Powder
Molar Mass	266.26 g/mol

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No Data Available
Chemical stability	No Data Available
Possibility of hazardous reaction	No Data Available
Conditions to Avoid (SDS)	Incompatible Materials
Incompatible materials	Strong Oxidizers
Hazardous decomposition products	nitrogen oxides (NO _x), carbon dioxide (CO ₂), hydrogen iodide (HI), carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Other Relevant Toxicity Information

We are not aware of any toxicology data.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Acute toxicity versus Fishing

Test Type	No Data Available
Species	No Data Available
Method	No Data Available
Exposure Time	No Data Available
Value in standard unit mg/l	No Data Available

Acute toxicity in aquatic plants

Test Type	No Data Available
Species	No Data Available
Method	No Data Available
Exposure Time	No Data Available
Value in standard unit mg/l	No Data Available

Acute toxicity versus Daphnia and others aquatic Invertebrates

Test Type	No Data Available
Species	No Data Available
Method	No Data Available
Exposure Time	No Data Available
Value in standard unit mg/l	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	No Data Available
Other adverse effects	No Data Available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal

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.

Advice on Packaging

Not Available

SECTION 14. TRANSPORT INFORMATION

Road Transport (ADR/GGVS)

UN number	Not Dangerous Goods
UN proper shipping name	Not Dangerous Goods
Transport hazard class(es)	Not Dangerous Goods
Packing group	Not Dangerous Goods
Environmental hazard class(es)	Not Dangerous Goods
Special precautions for user	Not Applicable
Transport in bulk according to Annex 11 of MARPOL and the IBC code	Not Applicable

Air Transport (IATA)

UN number	Not Dangerous Goods
UN proper shipping name	Not Dangerous Goods
Transport hazard class(es)	Not Dangerous Goods
Packing group	Not Dangerous Goods
Environmental hazard class(es)	Not Dangerous Goods
Special precautions for user	Not Applicable
Transport in bulk according to Annex 11 of MARPOL and the IBC code	Not Applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Not Available

Component	7-Deaza-2'-deoxyguanosine
REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	Not Available

REACH (1907/2006) -

Annex XVII - Restrictions on
Certain Dangerous Substances Not Available

REACH Regulation
(EC 1907/2006) article 59-
Candidate List of Substances
of Very High Concern (SVHC) Not Available

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-----