

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name :

7-Deaza-2'-deoxyadenosine

Synonyms:

2-Deoxytubercidin; 7-(2-Deoxy- β -D-erythro-pentofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine; 7-Deaza-2'-deoxy-D-adenosine

Catalog Number:

CGIDD-1143

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,
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SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical Hazards

Not classified

Acute toxicity oral (Category 3),

H301

Skin corrosion/irritation (Category 2),

H315

Eye irritation (Category 2)

H319

Specific target organ toxicity,

single exposure (Category 3),

H335

Environmental Hazards

Not Classified

Label elements

Regulatory List

EC1272/08

Regulation (EC) 1272/2008 (GHS/CLP)

Symbol

GHS06

Skull and Crossbones



Pictogram

Signal Word

Danger

GHS07

Exclamation Mark



Pictogram

Signal Word

Warning

Hazard Statement

H301

Toxic if swallowed.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary Statement

P261

Avoid inhaling dust/fume/gas/mist/vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

Wash with plenty of soap and water if on skin.

P304+P340

Remove casualty to fresh air and keep at rest in a comfortable position for breathing.

P305+P351+P338

Rinse eyes cautiously with water for several minutes in case eyes is impacted. Remove contact lenses, if present and easy to do.

P501 Dispose of contents / container in accordance with local / regional / national /international regulations.

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance related information

Substance name: 7-Deaza-2'-deoxyadenosine

Synonyms: 2-Deoxytubercidin;7-(2-Deoxy-β-D-erythro-pentofuranosyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine;7-Deaza-2'-deoxy-D-adenosine

CAS no.: 60129-59-1

Formula: C₁₁H₁₄N₄O₃

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

Alcohol-resistant Foam

Dry extinguishing powder

Carbon dioxide (CO₂)

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

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 for Cleaning or Taking 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 2- 8°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	Off-white
Form	Powder
Molar Mass	250,25 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), carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

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

SECTION 12. ECOLOGICAL INFORMATION

Biodegradation	No Data Available
Bioaccumulation	No Data Available
Distribution in Environment	No Data Available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal
Consult state, local or national regulations for proper disposal. Hand over to authorized disposal company as hazardous waste. Disposal must be made according to official regulations.

Advice on Packaging
Not 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

No special precautions required

Further information

No data available

SECTION 15. REGULATORY INFORMATION

Other Regulations

Not Available

Component

7-Deaza-2'-deoxyadenosine

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-----