

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name : **7-Deazaguanosine**
Synonyms: 2-Amino-7-b-D-ribofuranosyl[3,2-d]pyrimidin-4-one; 7-Deaza-9-(b-D-ribofuranosyl)guanine; 7-Deaza-D-guanosine
Catalog Number: **CGIDR-2313**
Recommended use: Laboratory Use only

Manufacturer or supplier's name and address:

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SECTION 2. HAZARDS IDENTIFICATION

Health Hazards

Sensitisation (Category 1b)
Acute Toxicity (Category 4)

Environmental Hazards

Not Classified

Physical Hazards

Not Classified

Possible Hazards (Summary)

GHS Labeling

Symbol

GHS07

Exclamation mark



Pictogram

Signal Word

Warning

Warning

Hazard Statement

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.

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.
P302 IF ON SKIN:
P352 Wash with plenty of soap and water.
P362 Take off contaminated clothing and wash before reuse.
P364 And wash it before reuse.
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-Deazaguanosine
Synonyms: 2-Amino-7-b-D-ribofuranosyl[3,2-d]pyrimidin-4-one;7-Deaza-9-(b-Dribofuranosyl)guanine;7-Deaza-D-guanosine
Cas No.: 62160-23-0
Formula: C₁₁H₁₄N₄O₅

SECTION 4. FIRST AID MEASURES

First Aid: Eye

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

First Aid: Skin

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.

First Aid: Ingestion

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

First Aid: Inhalation

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

Hints for Physician: Treatment

Treat symptomatically.

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

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 advice

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.

Temperature 10°C - 25°C
 Requirements Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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 282.26 g/mol

SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid Incompatible Materials
 Substances to Avoid Strong Oxidizers
 Decomposition Products Nitrogen Oxides (Nox), Carbon Dioxide (Co2), 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

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) Not Regulated

AIR TRANSPORT (IATA) Not Regulated

SECTION 15. REGULATORY INFORMATION

Other Regulations Not Available
Component 7-Deazaguanosine

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-----