

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name : **7-Deaza-2'-deoxyinosine**

Synonyms : 7-Deaza-2'-deoxy-D-inosine

Catalog Number: **CGIDD-1145**

Recommended use: Laboratory Use only

Manufacturer or supplier's name and address:

ChemGenes India Pvt. Ltd
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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

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'-deoxyinosine
Synonyms: 7-Deaza-2'-deoxy-D-inosine
CAS no.: 97224-58-3
Formula: C₁₁H₁₃N₃O₄

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

Suitable 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

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.

Storage

Storage temperature

Store At 10°C - 25°C

Storage 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

| | |
|------------|--------------|
| Form | Powder |
| Molar Mass | 251.24 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 and Packaging

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-Deaza-2'-deoxyinosine

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-----