

MATERIAL SAFETY DATA SHEET

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

Product information

Product Name : **7-Deaza-adenosine**

Synonyms : Tubercidin

Catalog Number: **CGIDR-2312**

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

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 2), H300

For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements

Labeling according Regulation (EC) No 1272/2008



Pictogram

Signal Word

Danger

Hazard statement(s)

H300

Fatal if swallowed.

Precautionary statement(s)

P264

Wash hands thoroughly after handling.

P301 + P310

Immediately call a POISON CENTER/ doctor if swallowed.

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 Name : 7-Deaza-adenosine
Synonyms : Tubercidin
Molecular weight : 266,25 g/mol
EC-No. : 200-703-4
Component : 7- β -CD-Ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4amine
CAS-No. : 69-33-0
EC-No. : 200-703-4
Classification : Acute Tox. 2; H300
Concentration : \leq 100 %

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

Use water spray
Alcohol-resistant foam
Dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Carbon oxides
Nitrogen oxides (NO_x)

Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data available

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.

Reference to other sections

For disposal see section 13.

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

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

Control parameters

Ingredients with workplace control parameters

Exposure controls

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Physical state	Crystalline
b) Color	White
c) Odor	No data available
d) Melting point/freezing point	No data available
e) Initial boiling point and boiling range	No data available
f) Flammability (solid, gas)	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	No data available
l) Viscosity Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
m) Water solubility	No data available
n) Partition coefficient, n-octanol/water	No data available
o) Vapor pressure	No data available
p) Density	No data available
Relative density	No data available
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Other safety information No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimate Oral - 16 mg/kg

(Calculation method)

LD50 Oral - Rat - 16 mg/kg

Remarks: Gastrointestinal: Other changes.

Lungs, Thorax, or Respiration: Pleural effusion.

LD50 Oral - 5,1 mg/kg

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Test Type: Mouse

Test system: leukocyte

Remarks: DNA inhibition

Test Type: Mouse

Test system: leukocyte

Remarks: Other mutation test systems

Test Type: Rabbit

Test system: Kidney

Remarks: DNA inhibition

Test Type: Rabbit

Test system: Kidney

Remarks: Other mutation test systems

Species: Mouse

Application Route: Intraperitoneal

Remarks: Dominant lethal test

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

Additional Information

RTECS: UY8870000

Gastrointestinal disturbance

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
Endocrine disrupting properties	No data available
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

UN number

ADR/RID: 3462

IMDG: 3462

IATA: 3462

UN proper shipping name

ADR/RID: TOXINS EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (7- β -CDRibofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine)

IMDG: TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S. (7- β -CDRibofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine)

IATA: Toxins, extracted from living sources, solid, n.o.s. (7- β -CD-Ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine)

Transport hazard class(es)

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

Packaging group

ADR/RID: II

IMDG: II

IATA: II

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

SECTION 15. REGULATORY INFORMATION

Other Regulations

Not Available

Component

7-Deaza-adenosine

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-----