

MATERIAL SAFETY DATA SHEET

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

Product Name: **5'-O-DMT-thymidine**
CAS No 40615-39-2
Catalog **CGDDB-1104**
Synonym/Trade Name: 5'-O-DMT-D-thymidine
Manufacturer or supplier's: ChemGenes India Pvt. Ltd
207, Regency Plaza, 5-Park Road
Lucknow-226 001,U.P,India,
Ph: +91 86874 21036,
Email: info@chemgenesindia.com
Web: www.chemgenesindia.com

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical Hazards
not classified

Health Hazards
not classified

Environmental Hazards
Chronic aquatic toxicity (Category 4), H413

Label elements
Regulatory List
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol
not regulated

Pictogram
not regulated

Signal Word
Hazard Statement

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statement

P273 Avoid release to the environment.

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

2.3 Other hazards

Caution! 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	5'-O-DMT-thymidine
Synonyms	5'-O-DMT-D-thymidine
Cas No.	[40615-39-2]
Formula	C31H32N2O7

SECTION 4 FIRST AID MEASURES

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed Hints for

Physician: Symptoms

See Section 11 for additional information on health hazards

4.3 Indication of any immediate medical attention and special treatment needed

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

5.1 Extinguishing Media

Suitable

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

5.2 Special hazards arising from the substance or mixture

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

Hazards During Fire-Fighting

toxic fumes

5.3 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

6.1 Personal Precautions, protective equipment and emergency procedures

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

6.2 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.

6.3 Methods and material for containment and cleaning up not available

6.4 Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities Storage temperature store at 2°C - 8°C Storage condition close container well

Storage Requirements

Store in a cool, dry, well-ventilated area away from incompatible substances.

7.3 Specific end use(s)

SECTION 8 EXPOSURE CONTROLES/PERSONAL PROTECTION

8.1 Exposure limit values

Does not contain any substances with occupational exposure limits.

8.2 Exposure controles Industrial Hygiene

Mechanical exhaust required. Safety shower and eye shower.

8.3 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

9.1 Information on basic Physical and chemical color properties

Color

white

Form

powder

Density

1,27 g/cm³

9.2 Other information

Molar Mass

544,6 g/mol

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No Data Available

10.2 Chemical stability

No Data Available

10.3 Possibility of hazardous reaction

No Data Available

10.4 Conditions to Avoid (SDS)

incompatible materials

10.5 Incompatible materials

strong oxidizers

10.6 Hazardous decomposition products

nitrogen oxides (NO_x), carbon dioxide (CO₂), carbon monoxide

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Other Relevant Toxicity Information

We are not aware of any toxicology data.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity versus Fishing	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
Acute toxicity in aquatic plants	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
Acute toxicity versus Daphnia and others aquatic invertebrates	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

12.2 Persistence and degradability

Remarks : no data available

12.3 Bioaccumulative potential

Remarks : no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

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

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

SECTION 15 OTHER REGULATIONS

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

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

Toxins

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.
California Air Toxics "Hot Spots" (A-II)
None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances
None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List
None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List
None of the ingredients are listed or exempt.

Minnesota "Right To Know" List
None of the ingredients are listed or exempt.

New Jersey "Right To Know" List
None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List
None of the ingredients are listed or exempt.
not available

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
5'-O-DMT- thymidine	----	-----	---

Regulatory List
EC1272/08, EINECS

15.2 Chemical safety assessment
No chemical safety assessment has been carried out.

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 (I) Pvt. Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

-----End of MSDS-----