

MATERIAL SAFETY DATA SHEET

Section-1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name **5'-O-DMT-2'-deoxyadenosine(N-Bz)**
CAS# 64325-78-6
Catalog# **CGIDDB-1101**
Synonyms 5'-O-DMT-N6-benzoyl-2'-deoxy-D-adenosine;
N6-Benzoyl-5'-O-DMT-2'-deoxy- D-adenosine;
N6-Benzoyl-2'-deoxy-5'-O-DMT-D-adenosine

Manufacturer or supplier's: ChemGenes India Pvt. Ltd
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SECTION-2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical Hazards
not classified

Health Hazards

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Environmental Hazards

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

Label elements Regulatory List

EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol

GHS09 environmental hazards

Pictogram



GHS07 exclamation mark

Pictogram



Signal Word

Warning

Hazard Statement

- H315 Causes skin irritation.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- Precautionary Statement
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Remove contact lenses, if possible.
P337+P313 If eye irritation persists: Get medical advice/attention. P273 Avoid release to the environment.
P391 Collect spillage.

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 Synonyms:	N6-Benzoyl-2'-deoxy-5'-O-DMT-adenosine 5'-O-DMT-N6-benzoyl-2'-deoxy-D-adenosine;N6-Benzoyl-5'-O-DMT-2'-deoxy-D-adenosine;N6-Benzoyl-2'-deoxy-5'-O-DMT-D-adenosine
Cas No.	[64325-78-6]
Formula	C38H35N5O6

SECTION-4 FIRST AID MEASURES

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.

Most important symptoms and effects, both acute and delayed Hints for Physician:

Symptoms

See Section 11 for additional information on health hazards

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

Extinguishing Media Suitable

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

Special hazards arising from the substance or mixture

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

Hazards During Fire-Fighting

toxic fumes

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, protective equipment and emergency procedures

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 and material for containment and cleaning 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

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.

Conditions for safe storage, including any incompatibilities Storage temperature store at 2°C - 8°C

Storage condition
close container well, protect from light

Storage Requirements
Keep container tightly closed when not in use, since hygroscopic. Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

Specific end use(s)

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

Information on basic Physical and chemical color properties

Color: White

Form : Powder

Other information

Molar Mass: 657.71 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, moisture, light

Incompatible materials
strong oxidizers

Hazardous decomposition products
nitrogen oxides (NOx), carbon dioxide (CO2), carbon monoxide

SECTION-11 TOXICOLOGICAL INFORMATION

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

SECTION-12 ECOLOGICAL INFORMATION

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

Persistence and degradability
Remarks : no data available

Bioaccumulative potential
Remarks : no data available

Mobility in soil
no data available

Results of PBT and vPvB assessment
no data available

Other adverse effects

Memo : Very toxic to aquatic life, long-term effects

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)	Air Transport(IATA)
14.1 UN number	3077	3077
14.2 UN proper shipping name	Environmentally hazardous substance, solid, n.o.s. (N6-Benzoyl-2'-deoxy-5'-O-DMT-adenosine)	Environmentally hazardous substance, solid, n.o.s. (N6-Benzoyl-2'-deoxy-5'-O-DMT-adenosine)
14.3 Transport hazard class(es)	9	9
14.4 Packing group	III	III
14.5 Environmental hazard class(es)	Hazards identified	Hazards identified
14.6 Special precautions for user	Not applicable	Not applicable
14.7 Transport in bulk according to Annex 11 of MARPOL and the IBC code	Not applicable	Not applicable

SECTION-15 OTHER REGULATIONS

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.

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)
N6-Benzoyl-2'-deoxy-5'- O-DMT-adenosine	-----	-----	-----

Regulatory List

DSL, EINECS, ENCS, TCSI, TSCA

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-----