



## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: THYMIDINE

CAS Number: 50-89-5

**1. IDENTIFICATION:**

**Product Code** : 93599

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

**Address** : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,  
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**Company Phone Number** : 022-27690837

**2. HAZARDS IDENTIFICATION:****Hazard classification**

**Physical hazards** : Not a hazardous substance or mixture

**Labels elements** : Not a hazardous substance or mixture

**Hazard statement** : Not a hazardous substance or mixture

**Precautionary statement**

**Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative at levels of 0.1% or higher.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS:**

Ingredient	CAS Number	Hazardous
Thymidine	50-89-5	No

**4. FIRST AID MEASURES:**

**General information** : Not a hazardous substance or mixture

**Ingestion** : Rinse mouth.

**Inhalation** : Move to fresh air.

**Skin contact** : Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**Eye contact** : Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses

**Most important symptoms/effects, acute and delayed** : No data available.

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**Indication of immediate medical attention and special treatment needed** : No data available.

**5. FIRE FIGHTING MEASURES:**

**General information** :

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media** : Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media** : For this substance/mixture no limitations of extinguishing agents are given.

**Specific hazards arising from the chemical** : Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard. Heat may cause the containers to explode.

**Special protective equipment and precautions for firefighters**

**Special firefighting procedures** : Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. ACCIDENTAL RELEASE MEASURES:**

**Personal precautions, protective equipment and emergency procedures** : Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

**Methods and material for containment and cleaning up** : Use only non-sparking tools. Take precautionary measures against static discharges. . Take up dry. Dispose of properly. Clean up affected area.

**Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas.

**Environmental precautions** : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. HANDLING AND STORAGE:**

**Precautions for safe handling** : Wear protective gloves/protective clothing/eye protection/ face protection. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** : Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place.

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**8. EXPOSURE CONTROLS PERSONAL PROTECTION:****Control parameters****Appropriate engineering**

controls : No data available

**Individual protection measures, such as personal protective equipment****General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions**Eye/face protection** : Wear safety glasses with side shields (or goggles).**Hand protection** : Chemical resistant gloves.**Other** : Wear suitable protective clothing.**Respiratory protection** : Required when dusts are generated.**Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.**9. PHYSICAL AND CHEMICAL PROPERTIES:****Appearance** : White to almost white powder or crystal.**Odor** : No data available**Solubility** : No data available**Formula** :  $C_{10}H_{14}N_2O_5$ **Molecular Weight** : 242.23 g/mol**Specific Gravity** : No data available**pH** : No data available**% Volatiles by volume @ 21C (70F)** : No data available**Boiling Point** : No data available**Melting Point** : No data available**Flash Point** : No data available**Vapor Density (Air=1)** : No data available

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**10. STABILITY AND REACTIVITY:**

	The following applies in general to flammable organic substances and mixtures: in
<b>Reactivity</b>	: correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
<b>Chemical stability</b>	: Material is stable under ambient conditions..
<b>Possibility of hazardous reactions</b>	: Violent reactions possible with: Strong oxidizing agents
<b>Conditions to avoid</b>	: No data available
<b>Incompatible materials</b>	: No data available
<b>Hazardous decomposition products</b>	: In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:**

**Information on likely routes of exposure**

<b>Ingestion</b>	: No data available
<b>Inhalation</b>	: No data available
<b>Skin contact</b>	: No data available
<b>Eye contact</b>	: No data available

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

<b>Oral Product</b>	: No data available
<b>Dermal Product</b>	: No data available
<b>Inhalation Product</b>	: No data available.
<b>Repeated dose toxicity Product</b>	: No data available.
<b>Skin corrosion/irritation Product</b>	: No data available
<b>Serious eye damage/eye irritation Product</b>	: No data available
<b>Respiratory or skin sensitization Product</b>	: No data available
<b>Carcinogenicity Product</b>	: No data available
<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans</b>	: No data available
<b>US. National Toxicology Program (NTP) Report on</b>	: No data available

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**Carcinogens**

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 Germ cell mutagenicity** : No data available

**In vitro Product** : No data available.

**Reproductive toxicity Product** : No data available

**Specific target organ toxicity - single exposure Product** : No data available

**Specific target organ toxicity - repeated exposure Product** : No data available

**Aspiration hazard Product** : No data available

**Other effects** : No data available

**12. ECOLOGICAL INFORMATION:**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

**Fish Product** : No data available

**Aquatic invertebrates Product** : No data available

**Chronic hazards to the aquatic environment**

**Fish Product** : No data available.

**Aquatic invertebrates Product** : No data available.

**Toxicity to Aquatic Plants Product:** : No data available.

**Persistence and degradability**

**Biodegradation Product** : No data available

**BOD/COD ratio Product** : No data available.

**Bioaccumulative potential**

**Bioconcentration factor (BCF) Product** : No data available



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Partition coefficient n-octanol / water (log Kow) : No data available.  
Product Mobility in soil : No data available  
Other adverse effects : No data available

13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.  
Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT		Thymidine		Not dangerous goods	
IMDG		Thymidine		Not dangerous goods	
IATA		Thymidine		Not dangerous goods	

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

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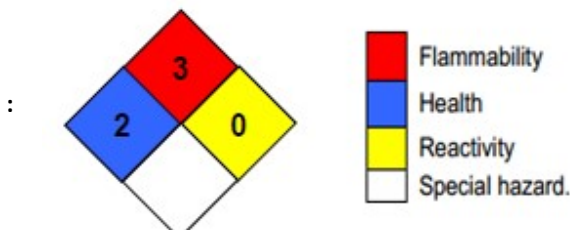
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## 16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date : 22/01/2024

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