

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 4/15/2011 Revision date: 7/10/2023 Supersedes: 8/12/2021 Version: 3.1

SECTION 1: Identification

1.1. Identification	
Product form Substance name CAS-No. Product code Formula Synonyms	 Substance THYMINE (A,A,A,6-D4, 98%) 65-71-4 DLM-1089 C5H6N2O2 2,4-Dihydroxy-5-methylpyrimidine / 5-Methyluracil
1.2. Recommended use and restrictions	s on use
No additional information available	
1.3. Supplier	
Cambridge Isotope Laboratories, Inc. 50 Frontage Rd 01810 ANDOVER, MA, 01810 USA T 1-800-322-1174 <u>cilsales@isotope.com</u> - <u>www.isotope.com</u>	
1.4. Emergency telephone number	
Emergency number	: 1-703-741-5970 Chemtrec 1-800-424-9300 24 hours
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or n	nixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients			
3.1. Substances			
Name	Product identifier	%	GHS US classification
THYMINE (A,A,A,6-D4, 98%) (Main constituent)	CAS-No.: 65-71-4	100	Not classified
Full text of hazard classes and H-statements : see section 16			

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	: If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
First-aid measures after skin contact	: Wash with soap and plenty of water. Consult a physician.
First-aid measures after eye contact	: Flush eyes with water as a precaution.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2. Most important symptoms and effect	cts (acute and delayed)
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Symptoms/effects after skin contact	: May be harmful if absorbed through skin. May cause skin irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.
4.3. Immediate medical attention and sp	·

No additional information available

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.	
5.2. Specific hazards arising from the chemical		
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Nitrogen oxides.	
5.3. Special protective equipment and precautions for fire-fighters		
Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

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SECTION 6: Accidental release measures	
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Do	o not allow to enter drains or water courses. Avoid release to the environment.
6.3. Methods and material for contain	ment and cleaning up

For containment Methods for cleaning up	Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.This material and its container must be disposed of in a safe way, and as per local legislation.
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and stor	rage
7.1. Precautions for safe handling	l de la constante de
Precautions for safe handling Hygiene measures	 Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Provide good ventilation in process area to prevent formation of vapor. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety practice.
7.2. Conditions for safe storage, i	ncluding any incompatibilities
Technical measures Storage conditions	Keep container tightly closed in a cool, dry and well-ventilated place.Store at room temperature away from light and moisture.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

THYMINE (A,A,A,6-D4, 98%) (65-71-	4)
No additional information available	
8.2. Appropriate engineering contro	ls
Appropriate engineering controls	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Environmental exposure controls	: Avoid release to the environment.
8.3. Individual protection measures/	Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.

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Materials for protective clothing: Wear suitable protective clothing and gloves Hand protection: Wear suitable protective clothing and gloves Eye protection: Wear safety glasses with side shields (or goggles) and a face shield. Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Respiratory protection: When appropriate, use NIOSH/CEN approved respirator.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: White
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 320 °C (608 °F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Molecular mass	: 130.14 g/mol (Labeled)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable if stored under recommended conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
No additional information available
10.5. Incompatible materials
Strong oxidizing agent.
10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and	: This information is based on our current knowledge and is intended to describe the product for
symptoms	the purposes of health, safety and environmental requirements only. It should not therefore be
	construed as guaranteeing any specific property of the product.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Symptoms/effects after skin contact	: May be harmful if absorbed through skin. May cause skin irritation.
Symptoms/effects after eye contact	: May cause eye irritation.

: May be harmful if swallowed.

SECTION 12: Ecological information

Symptoms/effects after ingestion

12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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Ecology - waste materials

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12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other adverse effects	: Disposal must be done according to official regulations. Avoid release to the environment.
SECTION 13: Disposal considerations	
13.1. Disposal methods	
Regional legislation (waste)	: Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.
Product/Packaging disposal recommendations	: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed

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professional waste disposal service to dispose of this material.Dispose of as unused product.

SECTION 14: Transport information	
In accordance with DOT / TDG / IMDG / IATA	
14.1. UN number	
Not regulated for transport	
14.2. UN proper shipping name	
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable
14.3. Transport hazard class(es)	
DOT Transport hazard class(es) (DOT)	: Not applicable
TDG Transport hazard class(es) (TDG)	: Not applicable
IMDG Transport hazard class(es) (IMDG)	: Not applicable
IATA Transport hazard class(es) (IATA)	: Not applicable
14.4. Packing group	
Packing group (DOT) Packing group (TDG) Packing group (IMDG)	 Not applicable Not applicable Not applicable

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Packing group (IATA)	: Not applicable	
14.5. Environmental hazards		
Other information	: No supplementary information available.	
14.6. Special precautions for user		
Special transport precautions	: Not dangerous goods.	
DOT No data available		
TDG No data available		
IMDG No data available		
IATA No data available		
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

THYMINE (A,A,A,6-D4, 98%) (65-71-4)					
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302				
Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):					
Name	CAS-No.	Listing	Commercial status	Flags	
THYMINE (A,A,A,6-D4, 98%)	65-71-4	Not present	-		

15.2. International regulations

CANADA

THYMINE (A,A,A	6-D4, 98%) (65-71-4)
Listed on the Canadian NDSL (Non-Domestic Substances List)	

EU-Regulations

No additional information available

National regulations

THYMINE (A,A,A,6-D4, 98%) (65-71-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States.

15.3. US State regulations

No additional information available

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SECTION 16: Other information

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Revision date : 07/1

Other information

- : 07/10/2023
- : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Safety Data Sheet (SDS), USA

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