

Safety Data Sheet 4H481T3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/02/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 1,5-Dihydro-3-ethyl-4-methyl-	2H-pyrrol-2-one	
CAS No	: 766-36-9		
Product code	: 4H48-1-T3		
Formula	: C7H11NO		
Synonyms	, , , , ,	one; 2,5-Dihydro-3-ethyl-4-methyl-2-oxo-1H-pyrro	le
Other means of identification	: MFCD00173861		
I.2. Relevant identified uses of the	substance or mixture and uses advi	ed against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and develo	pment	
1.3. Details of the supplier of the sa	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab 1.4. Emergency telephone number			
0,1	· (844) 522 4086 (25 Compon	Account 10060)	
Emergency number	: (844) 523-4086 (3E Company	- Account 10069)	
SECTION 2: Hazard(s) identificat	ion		
2.1. Classification of the substance			
Full text of H-phrases: see section 16			
2.2. Label elements GHS-US labeling			
Hazard pictograms (GHS-US)	: GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	 H315 - Causes skin irritation H319 - Causes serious eye irri H335 - May cause respiratory 		
Precautionary statements (GHS-US)	P302+P352 - If on skin: Wash P304+P340 - If inhaled: Remo P305+P351+P338 - If in eyes lenses, if present and easy to P312 - Call a POISON CENTI P321 - Specific treatment (see P332+P313 - If skin irritation of P337+P313 - If eye irritation of P362+P364 - Take off contarr P403+P233 - Store in a well-w P405 - Store locked up	after handling a well-ventilated area //protective clothing/eye protection/face protection with plenty of soap and water ove person to fresh air and keep comfortable for b Rinse cautiously with water for several minutes. do. Continue rinsing ER or doctor/physician if you feel unwell a supplemental first aid instructions on this label) occurs: Get medical advice/attention ersists: Get medical advice/attention inated clothing and wash it before reuse entilated place. Keep container tightly closed	reathing
	•	ntainer to an approved waste disposal plant	
2/08/2016	EN (English US)	SDS ID: 4H481T3	Page 1

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US) Not applicable				
	n ta anna llan da			
SECTION 3: Composition/information c	n ingredients			
3.1. Substance	Anna annatituant			
Substance type :	Mono-constituent			
Name	Product identifier		%	Classification (GHS-US)
1,5-Dihydro-3-ethyl-4-methyl-2H-pyrrol-2-one (Main constituent)	(CAS No) 766-36-9		<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
	n case of accident or if you where possible). Move the			mmediately (show the label contaminated area.
	Remove person to fresh air respiration. Get medical ad		able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact :	Nash with plenty of soap a	ind water. Get med	ical advice/atten	tion.
,	mmediately flush eyes tho present and easy to do. Co	0,		inutes. Remove contact lenses, if attention.
	Do NOT induce vomiting. N nouth out with water. Get r			unconscious person. Rinse
4.2. Most important symptoms and effects,	ooth acute and delayed			
	The most important known 2.2) and/or in section 11.	symptoms and effe	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical att	ention and special treatm	ent needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
	Alcohol resistant foam. Car appropriate for surrounding		owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the substa	nce or mixture			
Fire hazard :	Thermal decomposition ge	nerates: Carbon ox	ides. Nitrogen o	xides.
5.3. Advice for firefighters				
Firefighting instructions :	n case of fire: Evacuate ar	ea.		
				vith self contained breathing e controls/personal protection".
SECTION 6: Accidental release measur	es			
6.1. Personal precautions, protective equip				
General measures :	Evacuate unnecessary per	sonnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures :	Only qualified personnel ec	quipped with suitabl	e protective equ	lipment may intervene.
6.1.2. For emergency responders				
	Do not attempt to take action refer to section 8: "Exposure			ment. For further information
6.2. Environmental precautions				

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for cont	Methods and material for containment and cleaning up		
For containment	: Stop leak if safe to do so.		
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.		
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4. Reference to other sections			
No additional information available			
SECTION 7: Handling and stora	lge		
7.1. Precautions for safe handling			
Precautions for safe handling	Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.		
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or		

	smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includi	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties

9.1. Inform	nation on basic physical ar	nd chemical properties
Physical state		: Solid
Color		: No data available
Odor		: No data available
Odor threshold		: No data available
рН		: No data available
Melting point		: 100 - 104 °C
Freezing point		: No data available
Boiling point		: No data available
Flash point		: No data available
Relative evapora	ation rate (butyl acetate=1)	: No data available
Flammability (so	lid, gas)	: No data available
Explosion limits		: No data available
Explosive proper	rties	: No data available
Oxidizing proper	ties	: No data available
Vapor pressure		: No data available
Relative density		: No data available
Relative vapor d	ensity at 20 °C	: No data available
Molecular mass		: 125.17 g/mol

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. **Other information**

No additional information available

SECTION 40, Stability and rea	otivity
SECTION 10: Stability and rea 10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling	and storage conditions.
10.3. Possibility of hazardous rea	ctions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition p	roducts
Under normal conditions of storage and	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
fire, see Section 5.	
SECTION 11: Toxicological inf	ormation
11.1. Information on toxicological	effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

g,	
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

Reproductive toxicity	. Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.

Specific target organ toxicity (repeated : Not classified exposure)

Aspiration hazard

: Not classified

SECTI	ON 12: Ecological information				
12.1.	Toxicity				
No addit	ional information available				
12.2.	Persistence and degradability				
No addit	ional information available				
12.3.	Bioaccumulative potential				
No addit	No additional information available				
12.4.	Mobility in soil				
No addit	No additional information available				
12.5.	Other adverse effects				
No addit	No additional information available				
12/08/201	6	EN (English US)	SDS ID: 4H481T3	4/6	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal considerati	ons	
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informatio	n	
Department of Transportation (DOT)		
In accordance with DOT		
Not regulated for transport		
TDG		
No additional information available		
Transport by sea		
No additional information available		
Air transport		
No additional information available		
SECTION 15: Regulatory informati	on	
15.1. US Federal regulations		
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic		

Substances Control Act (TSCA) inventory except for:		
1,5-Dihydro-3-ethyl-4-methyl-2H-pyrrol-2-one	CAS No 766-36-9	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.	
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 0 Minimal Hazard - Materials that will not burn	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.