

Safety Data Sheet 4H481E4 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	: 2,4-Dihydro-4-phenyl-3H-1,2,4-triazol-3-one
CAS No	: 1008-30-6
Product code	: 4H48-1-E4
Formula	: C8H7N3O
Other means of identification	: MFCD00266689
1.2. Relevant identified uses of the sub	stance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety	data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097	
info@synquestlabs.com - www.synquestlabs.com	<u>m</u>
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or r	
Classification (GHS-US)	
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye irrita         STOT SE 3       H335 - May cause respiratory ir         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 irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>

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No additional information available				
.4. Unknown acute toxicity (GHS US)				
lot applicable				
SECTION 3: Composition/informati	on on in	aradianta		
.1. Substance		greulenis		
ubstance type	· Mono	-constituent		
Name		Product identifier	%	Classification (CHC UC)
2,4-Dihydro-4-phenyl-3H-1,2,4-triazol-3-one		(CAS No) 1008-30-6	<= 100	Classification (GHS-US) Skin Irrit. 2, H315
(Main constituent)				Eye Irrit. 2A, H319
ull text of H-phrases: see section 16				STOT SE 3, H335
2. Mixture				
ot applicable				
ECTION 4: First aid measures				
1. Description of first aid measures				
irst-aid measures general		se of accident or if you feel unwell,		
inst aid massures offer inhelation		e possible). Move the affected pers		
rst-aid measures after inhalation		ation. Get medical advice/attention		ning. If not breathing, give artificial
rst-aid measures after skin contact	Wash	with plenty of soap and water. Ge	et medical advice/att	ention.
rst-aid measures after eye contact		diately flush eyes thoroughly with and easy to do. Continue rinsin		minutes. Remove contact lenses, if ce/attention.
rst-aid measures after ingestion		OT induce vomiting. Never give an n out with water. Get medical advice		an unconscious person. Rinse
2. Most important symptoms and effe	ects, both	acute and delayed		
/mptoms/injuries		nost important known symptoms a ind/or in section 11.	nd effects are descr	ibed in the labelling (see section
.3. Indication of any immediate medic	al attentio	n and special treatment needed		
reat symptomatically.				
ECTION 5: Firefighting measures				
1. Extinguishing media				
uitable extinguishing media		ol resistant foam. Carbon dioxide. priate for surrounding fire.	Dry powder. Water	spray. Use extinguishing media
2. Special hazards arising from the s	ubstance of	or mixture		
ire hazard	: Therr	nal decomposition generates: Carl	oon oxides. Nitroger	n oxides.
3. Advice for firefighters				
irefighting instructions	: In cas	se of fire: Evacuate area.		
rotection during firefighting		gas tight chemically protective clo atus. For further information refer		
	appai			
ECTION 6: Accidental release me	asures			
1. Personal precautions, protective e				
eneral measures	: Evac	uate unnecessary personnel. Ensu	ire adequate air ven	tilation. Do not breathe dust.
1.1. For non-emergency personnel				
mergency procedures	: Only	qualified personnel equipped with	suitable protective e	equipment may intervene.
1.2. For emergency responders				
rotective equipment		ot attempt to take action without su to section 8: "Exposure controls/pe		uipment. For further information
2. Environmental precautions				
void release to the environment. Notify autho	rities if proc	luct enters sewers or public waters	i.	
.3. Methods and material for containn	nent and c	leaning up		
or containment		leak if safe to do so.		
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Methods for cleaning up Other information	<ul> <li>Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.</li> <li>For disposal of solid materials or residues refer to section 13 : "Disposal considerations".</li> </ul>
6.4. Reference to other section No additional information available	IS
SECTION 7: Handling and s	orage
7.1. Precautions for safe hand	ling
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	je, including 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. Information on basic physical a	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	: 184 - 186 °C	
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	
Explosion limits	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Vapor pressure	: No data available	
Relative density	: No data available	
Relative vapor density at 20 °C	: No data available	
Molecular mass	: 161.16 g/mol	
Solubility	: No data available	
Log Pow	: No data available	

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Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	tional information available
12.2.	Persistence and degradability
No addit	tional information available
12.3.	Bioaccumulative potential
No addit	tional information available
12.4.	Mobility in soil
No addit	tional information available
12.5.	Other adverse effects
No addit	tional information available

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Dispose of contents/container in accordance with licensed collector's sorting instructions.	<b>SECTION 13: Disposal consider</b>	ations
Dispose of contents/container in accordance with licensed collector's sorting instructions.	13.1. Waste treatment methods	
	Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Recycle the material as far as possible.	Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
	Additional information	: Recycle the material as far as possible.
	Additional information SECTION 14: Transport informa	, , , , , , , , , , , , , , , , , , ,

### 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 information

### 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:

2,4-Diriyulo-4-prientyi-51-1,2,4-thazoi-5-one CAS No 1008-50-0 100%			100%
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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

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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 occurFlammability: 0 Minimal Hazard - Materials that will not burnPhysical: 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.		
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	NFPA health hazard	incapacitation or possible residual injury unless prompt
NFPA reactivity       : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.         HMIS III Rating	NFPA fire hazard	: 0 - Materials that will not burn.
Health: 2 Moderate Hazard - Temporary or minor injury may occurFlammability: 0 Minimal Hazard - Materials that will not burnPhysical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions,
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	HMIS III Rating	
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	Health	: 2 Moderate Hazard - Temporary or minor injury may occur
	Flammability	: 0 Minimal Hazard - Materials that will not burn
	Physical	

#### 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.