

Safety Data Sheet 4H5610Y according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/20/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	0 hatavar
Product form	: Substance
Substance name	: 5,10-Dihydro-4H-1,2,5-oxadiazolo[3 4-a]carbazole
CAS No	: 256348-46-6
Product code	: 4H56-1-0Y
Formula	: C12H9N3O
Other means of identification	: MFCD00168565
	tance 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 of	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>n</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 m	ixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irritat	ion
STOT SE 3 H335 - May cause respiratory irri	tation
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)	<ul> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>
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 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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ccording to Federal Register / Vol. 77, No. 58 / Monday     2.3. Other hazards	, March 20,			
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatio	on on in	aredients		
3.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
5,10-Dihydro-4H-1,2,5-oxadiazolo[3 4-a]carbazole (Main constituent)		(CAS No) 256348-46-6	<= 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				
First-aid measures general	where	e of accident or if you feel unwe possible). Move the affected p	ersonnel away from the	contaminated area.
First-aid measures after inhalation	respir	ation. Get medical advice/attent	ion.	ing. If not breathing, give artificial
First-aid measures after skin contact		with plenty of soap and water.		
First-aid measures after eye contact	prese	nt and easy to do. Continue rins	ing. Get medical advic	
First-aid measures after ingestion		OT induce vomiting. Never give o out with water. Get medical ad		n unconscious person. Rinse
4.2. Most important symptoms and effe	cts, both a	acute and delayed		
Symptoms/injuries		nost important known symptoms nd/or in section 11.	and effects are descri	bed in the labelling (see section
4.3. Indication of any immediate medica	al attentio	n and special treatment neede	ed	
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxid priate for surrounding fire.	e. Dry powder. Water s	spray. Use extinguishing media
5.2. Special hazards arising from the su	ubstance c	or mixture		
Fire hazard	: Thern	nal decomposition generates: C	arbon oxides. Nitrogen	oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	e of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective of		with self contained breathing are controls/personal protection".
	appar		er to section 6. Exposi	re controis/personal protection.
SECTION 6: Accidental release mea	isures			
6.1. Personal precautions, protective e				
General measures	: Evacu	ate unnecessary personnel. En	sure adequate air vent	ilation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only o	qualified personnel equipped wit	th suitable protective ed	quipment may intervene.
6.1.2. For emergency responders				
Protective equipment		t attempt to take action without o section 8: "Exposure controls		ipment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify author	ities if prod	uct enters sewers or public wate	ers.	
6.3. Methods and material for containm	ent and cl	eaning up		
For containment		eak if safe to do so.		
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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	
<b>SECTION 7: Handling and stora</b>	age
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, i	ncluding 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.
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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 an	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: 215 - 216 °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	: 211.22 g/mol
Solubility	: No data available
Log Pow	: No data available

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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	
<b>SECTION 10: Stability and</b>	reactivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal han	Idling and storage conditions.
10.3. Possibility of hazardous	s reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and fl	lame.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decompositi	ion products
Under normal conditions of storage fire, see Section 5.	and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicologica	I information
11.1. Information on toxicolo	gical effects
Acute toxicity	: Not classified

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

SECTION 12: Ecological information				
12.1.	Toxicity			
No additi	ional information available			
12.2.	Persistence and degradability			
No additi	ional information available			
12.3.	Bioaccumulative potential			
No additi	ional information available			
12.4.	Mobility in soil			
No additi	ional information available			
12.5.	Other adverse effects			
No additi	ional information available			

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Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Dispose of contents/container in accordance with licensed collector's sorting instructions.
Recycle the material as far as possible.

### SECTION 14: Transport information

#### **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:

5,10-Dihydro-4H-1,2,5-oxadiazolo[3 4-a]carbazole	CAS No 256348-46-6	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

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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 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.