

Safety Data Sheet 4H581HZ

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/27/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 3,4-Dihydro-3-oxo-2H-1,4-benzoxazine-6-carboxylic acid
CAS No	: 134997-87-8
Product code	: 4H58-1-HZ
Formula	: C9H7NO4
Other means of identification	: MFCD03036647
1.2. Relevant identified uses of the substa	ance 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 da	ata 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	
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 mix	xture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatioSTOT SE 3H335 - May cause respiratory irritationFull 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)	 P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up

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P501 - Dispose of contents/container to an approved waste disposal plant

No additional information available 2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	n on in	greatents		
3.1. Substance	· Mono	-constituent		
Substance type	. 10010			
Name	sid	Product identifier	%	Classification (GHS-US)
3,4-Dihydro-3-oxo-2H-1,4-benzoxazine-6-carboxylic ac (Main constituent)		(CAS No) 134997-87-8	<= 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		se of accident or if you feel unwell, seek is possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact		with plenty of soap and water. Get medi		
First-aid measures after eye contact	prese	ediately flush eyes thoroughly with water t ent and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid measures after ingestion		OT induce vomiting. Never give anything hout with water. Get medical advice/atte	,	unconscious person. Rinse
4.2. Most important symptoms and effect	ts, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the sub	ostance o	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carbon ox	ides. Nitrogen o	xides.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective clothing i ratus. For further information refer to sect		5
SECTION 6: Accidental release meas				
6.1. Personal precautions, protective equ				
General measures	: Evaci	uate unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel	· Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
	. Only			
 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 	: Do no	ot attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information

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

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6.3.	Methods and material for containm	ent and cleaning up
For con	tainment	: Stop leak if safe to do so.
Method	s for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other in	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No addi	tional information available	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precaut	ions 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	e 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	torage, including any incompatibilities
Technic	al measures	Comply with applicable regulations

rechnical 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 ar	d chemical properties
Physical s	state	: Solid
Color		: No data available
Odor		: No data available
Odor thre	shold	: No data available
pН		: No data available
Melting po	oint	: 301 - 304 °C
Freezing	point	: No data available
Boiling po	pint	: No data available
Flash poir	nt	: No data available
Relative e	evaporation rate (butyl acetate=1)	: No data available
Flammabi	ility (solid, gas)	: No data available
Explosion	n limits	: No data available
Explosive	e properties	: No data available
Oxidizing	properties	: No data available
Vapor pre	essure	: No data available
Relative d	density	: No data available
Relative v	vapor density at 20 °C	: No data available
Molecular	r mass	: 193.16 g/mol

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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

Other information 9.2.

No additional information available

SECTION 10: Stability and rea	ictivity
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	actions
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	araducts
	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological in	formation
11.1. Information on toxicologica	
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

Germ cell mulagementy	. Not classified
Carcinogenicity	: Not classified
Depreductive toxicity	. Not clossified

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	SECTION 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	ional information available				
12.4.	Mobility in soil				
No addit	No additional information available				
12.5.	Other adverse effects				
No addit	No additional information available				
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CECTION 42. Dispessel considerati		
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		
ů i		
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:		

3,4-Dihydro-3-oxo-2H-1,4-benzoxazine-6-carboxylic acid CAS No 134997-87-8 100%			
		040 10 10 10 10 10 10 10	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 NC 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.