

1H-Pyrrole-2-carboxylic acid Safety Data Sheet 4H5616E 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			
Product form	: Substance		
Substance name	: 1H-Pyrrole-2-carboxylic ac	id	
CAS No	: 634-97-9		
Product code	: 4H56-1-6E		
Formula	: C5H5NO2		
Synonyms	: 2-Carboxy-1H-pyrrole		
Other means of identification	: MFCD00005219		
I.2. Relevant identified uses of the	substance or mixture and uses a	dvised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substance: Scientific research and de	5	
I.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			
Emergency number	: (844) 523-4086 (3E Comp	any - Account 10069)	
	· (0) 010 .000 (01 00p		
SECTION 2: Hazard(s) identificat	ion		
2.1. Classification of the substance	or mixture		
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	ויז ווונגנוסח		
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 H335 - May cause respirat	e irritation	
Precautionary statements (GHS-US)	P302+P352 - If on skin: W P304+P340 - If inhaled: Re P305+P351+P338 - If in ey lenses, if present and easy P312 - Call a POISON CE P321 - Specific treatment P332+P313 - If skin irritatio P332+P313 - If sev irritatio P362+P364 - Take off con P403+P233 - Store in a we P405 - Store locked up	nly after handling or in a well-ventilated area wes/protective clothing/eye protection/face protectio ash with plenty of soap and water emove person to fresh air and keep comfortable for l yes: Rinse cautiously with water for several minutes.	breathing
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bit applicable ECTION 3: Composition/information on ingredients A. Substance ubstance type : Mono-constituent Name Product identifier 1H-Pyrrole-2-carboxylic acid (CAS No) 634-97-9 Wain constituent) (CAS No) 634-97-9 ull text of H-phrases: see section 16 . .2. Mixture lot applicable . ECTION 4: First aid measures . irst-aid measures general : In case of accident or if you feel unwell, seek r where possible). Move the affected personnel irst-aid measures after inhalation : Remove person to fresh air and keep comforta respiration. Get medical advice/attention. irst-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention. irst-aid measures after ingestion : Do NOT induce vomiting. Never give anything mouth out with water. Get medical advice/attention. .2. Most important symptoms and effects, both acute and delayed ymptoms/injuries : The most important known symptoms and effect 2.2) and/or in section 11. .3. Indication of any immediate medical attention and special treatment needed reat symptomatically. ECTION 5: Firefighting measures	away from the ble for breathir cal advice/atter or at least 15 n medical advice, by mouth to an tion.	contaminated area. ng. If not breathing, give artificial ntion. ninutes. Remove contact lenses, i /attention. n unconscious person. Rinse
Name Product identifier 11-Pyrole-2-carboxylic acid (Main constituent) (CAS No) 634-97-9 Full text of H-phrases: see section 16	<= 100 nedical advice away from the ble for breathir cal advice/atter or at least 15 n medical advice. by mouth to an tion.	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 immediately (show the label contaminated area. ng. If not breathing, give artificial ntion. ninutes. Remove contact lenses, i dattention.
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SECTION 5: Firefighting measures		
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry po appropriate for surrounding fire.	wder. Water sp	pray. Use extinguishing media
5.2. Special hazards arising from the substance or mixture		
Fire hazard : Thermal decomposition generates: Carbon oxi	des. Nitrogen o	oxides.
5.3. Advice for firefighters		
Firefighting instructions : In case of fire: Evacuate area.		
Firefighting instructions : In case of fire: Evacuate area. Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".		
SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures : Evacuate unnecessary personnel. Ensure ade	quate air ventil	lation. Do not breathe dust.
6.1.1. For non-emergency personnel		
Emergency procedures : Only qualified personnel equipped with suitable	e protective equ	uipment may intervene.
		-
6.1.2. For emergency responders Protective equipment : Do not attempt to take action without suitable prefer to section 8: "Exposure controls/personal		pment. 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 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 storage			
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, include	ing 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.
eterage alea	

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 s	state	: Solid
Color		: No data available
Odor		: No data available
Odor three	shold	: No data available
pН		: No data available
Melting po	pint	: 209 - 211 °C
Freezing p	point	: No data available
Boiling po	int	: No data available
Flash poir	nt	: No data available
Relative e	vaporation rate (butyl acetate=1)	: No data available
Flammabi	lity (solid, gas)	: No data available
Explosion	limits	: No data available
Explosive	properties	: No data available
Oxidizing	properties	: No data available
Vapor pre	ssure	: No data available
Relative d	lensity	: No data available
Relative v	apor density at 20 °C	: No data available
Molecular	mass	: 111.1 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

9.2. **Other information**

No additional information available

SECT	ION 10: Stability and rea	activity
10.1.	Reactivity	
	itional information available	
10.2.	Chemical stability	
	duct is stable at normal handling	g and storage conditions.
10.3.	Possibility of hazardous rea	actions
No add	tional information available	
10.4.	Conditions to avoid	
Keep a	way from heat, sparks and flame	Э.
10.5.	Incompatible materials	
Strong	oxidizing agents.	
10.6.	0.6. Hazardous decomposition products	
Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.		
SECT	ION 11: Toxicological in	formation
11.1.	Information on toxicologica	Il effects
Acute to	oxicity	: Not classified
Skin co	rrosion/irritation	: Causes skin irritation.

Chine Control of Annual Chine	. Oudooo okin intation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified

Aspiration hazard

: Not classified

SECT	ION 12: Ecological informatio	n		
12.1.	Toxicity			
No add	No additional information available			
12.2.	Persistence and degradability			
No add	No additional information available			
12.3.	Bioaccumulative potential			
No add	No additional information available			
12.4.	Mobility in soil			
No add	No additional information available			
12.5.	Other adverse effects			
No add	No additional information available			
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SECTION 13: Disposal consideration	ns	
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 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:		

1H-Pyrrole-2-carboxylic acid CAS No 634-97-9 100%				
			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

1H-Pyrrole-2-carboxylic acid (634-97-9)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	

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.