

Safety Data Sheet 4H561Q5 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	: 5-Oxo-1-(pyridin-3-yl)pyrrolidine-3-	carboxylic acid	
CAS No	: 914637-52-8		
Product code	: 4H56-1-Q5		
Formula	: C10H10N2O3		
Synonyms	: 3-(4-Carboxy-2-oxopyrrolidin-1-yl)p	yridine; 4-Carboxy-2-oxo-1-(pyridin-3-yl)pyrrolic	line
Other means of identification	: MFCD07364771		
1.2. Relevant identified uses of the subs	tance or mixture and uses advised a	gainst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	nt	
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>n</u>		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Acc	count 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	ixture		
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatSTOT SE 3H335 - May cause respiratory irriFull 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, s P264 - Wash skin thoroughly after P271 - Use only outdoors or in a w P280 - Wear protective gloves/prot P302+P352 - If on skin: Wash with P304+P340 - If inhaled: Remove p 	spray handling ell-ventilated area ective clothing/eye protection/face protection	
	lenses, if present and easy to do. C P312 - Call a POISON CENTER or P321 - Specific treatment (see sup P332+P313 - If skin irritation occurs P337+P313 - If eye irritation persis P362+P364 - Take off contaminate P403+P233 - Store in a well-ventila P405 - Store locked up	Continue rinsing doctor/physician if you feel unwell plemental first aid instructions on this label) s: Get medical advice/attention	

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2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable	_				
SECTION 3: Composition/information of	on ingr	edients			
3.1. Substance					
Substance type :	Mono-co	onstituent			
Name	P	Product identifier	%	Classification (GHS-US)	
5-Oxo-1-(pyridin-3-yl)pyrrolidine-3-carboxylic acid (Main constituent)	(0	CAS No) 914637-52-8	<= 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 :		of accident or if you feel unwell, seek not accident or if you feel unwell, seek not affected personnel accident of the affected personnel accident of the second s			
First-aid measures after inhalation :		person to fresh air and keep comforta on. Get medical advice/attention.	ble for breathin	g. If not breathing, give artificial	
First-aid measures after skin contact :	Wash wi	th plenty of soap and water. Get medie	cal advice/atten	tion.	
First-aid measures after eye contact :		tely flush eyes thoroughly with water f and easy to do. Continue rinsing. Get			
First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.			unconscious person. Rinse		
4.2. Most important symptoms and effects,	4.2. Most important symptoms and effects, both acute and delayed				
nptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			ed in the labelling (see section		
4.3. Indication of any immediate medical at	ention a	nd special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
		resistant foam. Carbon dioxide. Dry po ate for surrounding fire.	owder. Water sp	ray. Use extinguishing media	
5.2. Special hazards arising from the substa	ance or r	nixture			
Fire hazard :	Thermal	decomposition generates: Carbon oxi	des. Nitrogen o	xides.	
5.3. Advice for firefighters					
Firefighting instructions :	In case o	of fire: Evacuate area.			
Protection during firefighting :		is tight chemically protective clothing ir is. For further information refer to sect			
SECTION 6: Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
		e unnecessary personnel. Ensure ade	quate air ventila	tion. Do not breathe dust.	
6.1.1. For non-emergency personnel	Oralistansia			·	
Emergency procedures :	Uniy qua	alified personnel equipped with suitable	e protective equ	ipment may intervene.	
6.1.2. For emergency responders Protective equipment :		ttempt to take action without suitable p section 8: "Exposure controls/personal		ment. For further information	
6.2. Environmental precautions					

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

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6.3. Methods and material for containme	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 smoke when using this product. Always wash hands after handling the product.	
7.2.	7.2. Conditions for safe storage, including any incompatibilities			
Techn	ical 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.

9: Physical and chem	

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	: 175 - 177 °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	: 206.2 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

SECTION 10: Stability and read	ctivity
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 read	tions
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 pr	roducts
Under normal conditions of storage and u fire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
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

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 : Not classified exposure)

Aspiration hazard

: Not classified

SECT	SECTION 12: Ecological information					
12.1.	Toxicity					
No add	itional information available					
12.2.	Persistence and degradability					
No add	itional information available					
12.3.	Bioaccumulative potential					
No add	itional 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 consideratio	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:		C <i>Y</i>
5-Oxo-1-(pyridin-3-yl)pyrrolidine-3-carboxylic acid	CAS No 914637-52-8	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.