

Safety Data Sheet 41573R3

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0

Date of issue: 02/25/2016

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SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name : (2R)-2-(Trifluoromethyl)pyrrolidine-2-carboxylic acid			
CAS No	: 921224-91-1		
Product code	: 4157-3-R3		
Formula	: C6H8F3NO2		
Synonyms	: 2-(Trifluoromethyl	-L-proline	
Other means of identification	: MFCD18427880		
1.2. Relevant identified uses of the sub	stance or mixture and	uses advised against	
Use of the substance/mixture	: Laboratory chemic	als	
	Manufacture of su Scientific research		
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 (3	E Company - Account 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or	nixture		
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritaSTOT SE 3H335 - May cause respiratory ir			
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)			
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H315 - Causes sk	n irritation	
	H319 - Causes se	ious eye irritation	
Processition on a statements (CLIC LIC)		respiratory irritation	
Precautionary statements (GHS-US)	P264 - Wash skin P271 - Use only o P280 - Wear prote P302+P352 - If or P304+P340 - If inl P305+P351+P338 lenses, if present P312 - Call a POI P321 - Specific tre P332+P313 - If sk P337+P313 - If ey P362+P364 - Take	hing dust, mist, spray thoroughly after handling ttdoors or in a well-ventilated area ctive gloves/protective clothing/eye protection/face protection skin: Wash with plenty of soap and water laled: Remove person to fresh air and keep comfortable for br - If in eyes: Rinse cautiously with water for several minutes. F and easy to do. Continue rinsing SON CENTER or doctor/physician if you feel unwell atment (see supplemental first aid instructions on this label) n irritation occurs: Get medical advice/attention e irritation persists: Get medical advice/attention off contaminated clothing and wash it before reuse e in a well-ventilated place. Keep container tightly closed	
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P405 - Store locked up

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

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informati	on on ii	ngredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
(2R)-2-(Trifluoromethyl)pyrrolidine-2-carboxylic acid (Main constituent)		(CAS No) 921224-91-1	<= 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		ase of accident or if you feel unwell, seek re possible). Move the affected personne		
First-aid measures after inhalation		nove person to fresh air and keep comfort iration. Get medical advice/attention.	able for breathin	ng. If not breathing, give artificial
First-aid measures after skin contact	: Was	h with plenty of soap and water. Get med	lical advice/atter	ntion.
First-aid measures after eye contact	 Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. 			
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.				
4.2. Most important symptoms and eff	ects, both	acute and delayed		
Symptoms/injuries		: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
4.3. Indication of any immediate medic	al attenti	on and special treatment needed		
Freat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water s	oray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance	or mixture		
Fire hazard	: The	mal decomposition generates: Carbon ov	kides. Hydrogen	fluoride. Nitrogen oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In ca	ase 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 e			aquate alarrad	otion. Do not breather that
General measures	: Eva	cuate unnecessary personnel. Ensure ad	equate air ventil	ation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with suitab	le protective eq	uipment may intervene.
6.1.2. For emergency responders				
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".				
6.2. Environmental precautions	rere	to section 8: "Exposure controls/persona	al protection".	
Avoid release to the environment. Notify author	ities if pro	duct enters sewers or public waters		

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

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6.3. Methods and material for	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 sectio	ns		
No additional information available			
SECTION 7: Handling and s	torage		
7.1. Precautions for safe hand	dling		
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, 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. In	formation on basic physical a	nd chemical properties
Physical sta	te	: Solid
Color		: No data available
Odor		: No data available
Odor thresh	old	: No data available
pН		: No data available
Melting poir	nt	: > 198 °C
Freezing po	int	: No data available
Boiling poin	t	: No data available
Flash point		: No data available
Relative eva	aporation rate (butyl acetate=1)	: No data available
Flammabilit	y (solid, gas)	: No data available
Explosion li	mits	: No data available
Explosive p	roperties	: No data available
Oxidizing pr	operties	: No data available
Vapor press	sure	: No data available
Relative der	nsity	: No data available
Relative vap	oor density at 20 °C	: No data available
Molecular m	ass	: 183.13 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 rea	ctivity		
10.1. Reactivity	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	ctions		
No additional information available			
10.4. Conditions to avoid			
Keep away from heat, sparks and flame	·		
10.5. Incompatible materials	Incompatible materials		
Strong oxidizing agents.			
10.6. Hazardous decomposition p	.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.			
SECTION 11: Toxicological inf	iormation		
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		

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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 information	on		
12.1.	Toxicity			
No add	itional information available			
12.2.	Persistence and degradability			
No additional information available				
12.3.	Bioaccumulative potential			
No add	itional information available			
12.4.	Mobility in soil			
No additional information available				
12.5.	Other adverse effects			
No additional information available				
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SECTION 13: Disposal consideration	S	
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:		
(2R)-2-(Trifluoromethyl)pyrrolidine-2-carboxylic acid	CAS No 921224-91-1	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	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was 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.