

3-Methyloxetane-3-carboxylic acid Safety Data Sheet 2H21142 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/23/2015 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 3-Methyloxetane-3-carboxylic acid		
CAS No	: 28562-68-7		
Product code	: 2H21-1-42		
Formula	: C5H8O3		
Other means of identification	: MFCD09842435		
1.2. Relevant identified uses of the subst	ance or mixture and uses advised agai	nst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development		
1.3. Details of the supplier of the safety d	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		((0000)	
Emergency number	: (844) 523-4086 (3E Company - Accou	nt 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	xture		
Classification (GHS-US)			
Acute Tox. 4 (Oral)H302 - Harmful if swalloweSkin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respirateFull text of H-phrases: see section 16	on e irritation		
2.2. Label elements			
GHS-US labeling Hazard pictograms (GHS-US)			
	GHS07		
Signal word (GHS-US) Hazard statements (GHS-US)	 Warning H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation 		
Precautionary statements (GHS-US)	P261 - Avoid breathing dust, mist, spra P264 - Wash skin thoroughly after han P270 - Do not eat, drink or smoke whe P271 - Use only outdoors or in a well- P280 - Wear protective gloves/protecti P301+P312 - If swallowed: Call a POIS P302+P352 - If on skin: Wash with ple P304+P340 - If inhaled: Remove person	ay dling n using this product ventilated area ve clothing/eye protection/face protection SON CENTER or doctor/ physician if you fe nty of soap and water on to fresh air and keep comfortable for brea autiously with water for several minutes. Re	athing
	P312 - Call a POISON CENTER or do P321 - Specific treatment (see suppler P330 - Rinse mouth P332+P313 - If skin irritation occurs: G P337+P313 - If eye irritation persists: G	nental first aid instructions on this label)	

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	P403- P405	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 P501 - Dispose of contents/container to an approved waste disposal plant			
2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS U	JS)				
Not applicable					
SECTION 3: Composition/inform	ation on in	gredients			
3.1. Substance					
Substance type	: Mono	-constituent			
Name		Product identifier	%	Classification (GHS-US)	
3-Methyloxetane-3-carboxylic acid (Main constituent)		(CAS No) 28562-68-7	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16			I		_
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measure	es				
First-aid measures general		se of accident or if you feel unverse of accident or if you feel unversible). Move the affected		ce immediately (show the label ne contaminated area.	
First-aid measures after inhalation		ove person to fresh air and kee ation. Get immediate medical		hing. If not breathing, give artificial	
First-aid measures after skin contact	: Wash	with plenty of soap and water	r. Get immediate medica	al advice/attention.	
First-aid measures after eye contact		diately flush eyes thoroughly v nt and easy to do. Continue ri		5 minutes. Remove contact lenses, i nedical advice/attention.	f
First-aid measures after ingestion		OT induce vomiting. Never giv n out with water. Get immediat		an unconscious person. Rinse ion.	
4.2. Most important symptoms and	effects, both a	acute and delayed			
Symptoms/injuries		nost important known symptor ind/or in section 11.	ns and effects are desc	ribed in the labelling (see section	
4.3. Indication of any immediate me	edical attention	n and special treatment nee	ded		
Treat symptomatically.					
SECTION 5: Firefighting measure	es				
5.1. Extinguishing media					
Suitable extinguishing media		ol resistant foam. Carbon diox priate for surrounding fire.	kide. Dry powder. Water	spray. Use extinguishing media	
5.2. Special hazards arising from th	e substance o	or mixture			
Fire hazard	: Thern	nal decomposition generates:	Carbon oxides.		
5.3. Advice for firefighters					
Firefighting instructions	: In cas	se of fire: Evacuate area.			
Protection during firefighting				n with self contained breathing sure controls/personal protection".	
SECTION 6: Accidental release r	neasures				
6.1. Personal precautions, protectiv	/e equipment a	and emergency procedures			
General measures	: Evacu	uate unnecessary personnel.	Ensure adequate air ver	ntilation. Do not breathe dust.	
6.1.1. For non-emergency personnel					

: Only qualified personnel equipped with suitable protective equipment may intervene.

refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

12/08/2016

Emergency procedures

: Do not attempt to take action without suitable protective equipment. For further information

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6.2. Environmental precautions	
Avoid release to the environment. Notify authori	ties if product enters sewers or public waters.
6.3. Methods and material for containm	ent 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. Moisture sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage temperature	: -2510 °C Use explosion proof freezer
Storage area	: Store in dry, 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: Phy	vsical and chemical	properties

9.1. Information on basic physical and	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 58 - 63 °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

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 116.12 g/mol
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

CECTION 40. Stability and reactivity
SECTION 10: Stability and reactivity
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 reactions
No additional information available
10.4. Conditions to avoid
No additional information available
10.5. Incompatible materials
Strong oxidizing agents.
10.6. 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.

SECTI	ION 11: Toxicological information		
11.1.	Information on toxicological effects		

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

SECTI	ON 12: Ecological information
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped w	ith an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with	n licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informa	tion	
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 inform	ation	
15.1. US Federal regulations		
All components of this product are listed, Substances Control Act (TSCA) inventor	or excluded from listing, on the United States Environmen v except for:	tal Protection Agency Toxic
3-Methyloxetane-3-carboxylic acid	CAS No 28562-68-7	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

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Full text of H-phrases: Acute Tox. 4 (Oral)	40	Ite toxicity (oral) Category 4
Eye Irrit. 2A		ious eye damage/eye irritation Category 2A
Skin Irrit. 2		n corrosion/irritation Category 2
STOT SE 3	Spe	ecific target organ toxicity (single exposure) Category 3
H302	Har	mful if swallowed
H315	Cau	uses skin irritation
H319	Cau	uses serious eye irritation
H335	Ma	y cause respiratory irritation
NFPA health hazard NFPA fire hazard	 1 - Exposure could cause irritat injury even if no treatment is given if no treatment is given if no treatment is given. 0 - Materials that will not burn. 	
NFPA reactivity	: 0 - Normally stable, even under and are not reactive with water.	

HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
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.