

Safety Data Sheet 2221127 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/18/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	. Orthology
Product form	: Substance
Substance name	: 3,3-Dimethylcyclobutanecarboxylic acid
CAS No	: 34970-18-8
Product code	: 2221-1-27
Formula	: C7H12O2
Synonyms	: 3,3-Dimethylcyclobutane-1-carboxylic acid
Other means of identification	: MFCD01734205
	substance 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 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	ica
info@synquestlabs.com - www.synquestlab	is.com
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
2.1. Classification of the substance Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato	n irritation
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior	n irritation
Classification (GHS-US)Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respiratoFull text of H-phrases: see section 162.2.Label elements	n irritation
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

according to Federal Register / Vol. 77, No. 58 / Monday, Ma	arcn 26, .	2012 / Rules and Regulations		
2.3. Other hazards				
Other hazards not contributing to the classification :	: Stench.			
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on ing	gredients		
3.1. Substance				
Substance type :	Mono-	constituent		
Name		Product identifier	%	Classification (GHS-US)
3,3-Dimethylcyclobutanecarboxylic acid (Main constituent)		(CAS No) 34970-18-8	<= 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				
, and the second s	where	e of accident or if you feel unwell, seek i possible). Move the affected personnel	away from the o	contaminated area.
	respira	ve person to fresh air and keep comfortation. Get medical advice/attention.		
		with plenty of soap and water. Get med		
·	preser	diately flush eyes thoroughly with water int and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid measures after ingestion :		DT induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effects,	, <mark>both</mark> a	acute and delayed		
Symptoms/injuries :		ost important known symptoms and effend/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical attention 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	oray. Use extinguishing media
5.2. Special hazards arising from the subst	tance o	r mixture		
Fire hazard :	Therm	nal decomposition generates: Carbon ox	ides.	
Explosion hazard :	Risk o contai	f explosion if heated under confinement ners.	. Use water spra	ay or fog for cooling exposed
5.3. Advice for firefighters				
		e of fire: Evacuate area. Fight fire remot	-	
Protection during firefighting :		gas tight chemically protective clothing i atus. For further information refer to sec		
SECTION 6: Accidental release measu	res			
6.1. Personal precautions, protective equip				
General measures :		ate unnecessary personnel. Ensure ade or spray.	equate air ventila	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
	Only c	qualified personnel equipped with suitabl	e protective equ	uipment may intervene.
6.1.2. For emergency responders				
		t attempt to take action without suitable o section 8: "Exposure controls/persona		ment. For further information

Safety Data Sheet

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

Emerger	ncy procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2.	Environmental precautions	

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

.3. Methods and material for containment and cleaning up				
For containment	Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.			
Methods for cleaning up	: Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.			
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 fumes, mist, spray, vapors. 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	e, including 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.

:	Refer to Section	10 on Incompatible	Materials.
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: Store in dry, cool, well-ventilated area.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. **Control parameters**

Storage area

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**

Physical state Color Odor Odor threshold	: Liquid : No data available : Stench. : No data available
Odor	: Stench.
Odor threshold	· No dete ovoilable
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 105 - 106 °C (@ 15 mm Hg)
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

Safety Data Sheet

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

Dxidizing properties	: No data available
/apor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
<i>l</i> olecular mass	: 128.17 g/mol
Solubility	: No data available
.og Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
/iscosity	: No data available
/iscosity, kinematic	: No data available
/iscosity, dynamic	: No data available
.2. Other information	
Refractive index	: (@ 20 °C)
SECTION 10: Stability and reactivity	

SECTION	JN 10: Stability and reactivity
10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
The prod	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available
10.4.	Conditions to avoid
Keep awa	ay from heat, sparks and flame.
10.5.	Incompatible materials
Strong ba	ases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
Under no	rmal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

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	ON 11: Toxicological information	n
11.1.	Information on toxicological effects	
Acute to	xicity	Not classified

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
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTIO	ON 12: Ecological information	
12.1.	Toxicity	
No additional information available		
12.2.	Persistence and degradability	

No additional information available

### Safety Data Sheet

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

12.3.	Bioaccumulative potential			
No additional information available				
12.4.	Mobility in soil			
No add	No additional information available			
	Other educates offerte			
12.5.	Other adverse effects			

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

### Waste treatment methods

Waste disposal recommendations Additional information : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.

- Dispose of contents/container in accordance with licensed collector's sorting instructions.
  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:

3,3-Dimethylcyclobutanecarboxylic acid	CAS No 34970-18-8	100%
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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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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			
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		: 1 - Must be preheated before ignition can occur.			
NFPA re	pactivity	: 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		: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)			
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.