

Safety Data Sheet 2324372 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/09/2017 Revision date: 10/01/2020 Version: 1.1

SECTION 4. Identification	
SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: tert-Butyl 2-(trifluoromethyl)acrylate
CAS No	: 105935-24-8
Product code	: 2324-3-72
Formula	: C8H11F3O2
Synonyms	: TFMA-B; tert-Butyl 2-(trifluoromethyl)prop-2-enoate
Other means of identification	: MFCD04038275
1.2. Relevant identified uses of the s	ubstance 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 safe	ety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs 1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
	. (044) 323 4000 (3E 0011party - Account 10003)
SECTION 2: Hazard(s) identification	on
2.1. Classification of the substance of	or mixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye inSTOT SE 3H335 - May cause respiratoryFull 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)	<ul> <li>P261 - Avoid breathing fumes, mist, spray, vapors</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P332+P313 - If eye irritation persists: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>
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2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
<b>SECTION 3: Composition/information</b>	on on ina	redients			
3.1. Substance					
Substance type	: Mono-o	constituent			
Name		Product identifier	%	Classification (GHS-US)	
tert-Butyl 2-(trifluoromethyl)acrylate		(CAS No) 105935-24-8	<= 100	Skin Irrit. 2, H315	
(Main constituent)				Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16				5101 6E 3, 11335	
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 possible). Move the affected personnel			
First-aid measures after inhalation		e person to fresh air and keep comfortation. Get medical advice/attention.	able for breathin	g. If not breathing, give arti	ficial
First-aid measures after skin contact	: Wash v	vith plenty of soap and water. Get med	ical advice/atten	tion.	
First-aid measures after eye contact		ately flush eyes thoroughly with water tand easy to do. Continue rinsing. Get			ises, if
First-aid measures after ingestion		T induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse	9
4.2. Most important symptoms and effe	ects, both a	cute and delayed			
Symptoms/injuries		est important known symptoms and effe d/or in section 11.	ects are describe	ed in the labelling (see secti	on
4.3. Indication of any immediate medicate	al attention	and special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media		resistant foam. Carbon dioxide. Dry poriate for surrounding fire.	owder. Water sp	ray. Use extinguishing med	lia
5.2. Special hazards arising from the su	ubstance or	mixture			
Fire hazard	: Therma	al decomposition generates: Carbon ox	ides. Hydrogen	fluoride.	
Explosion hazard		explosion if heated under confinement	. Use water spra	ay or fog for cooling expose	d
	contair	ers.			
5.3. Advice for firefighters					
Firefighting instructions		of fire: Evacuate area. Fight fire remot		•	
Protection during firefighting		as tight chemically protective clothing i tus. For further information refer to sec			
SECTION 6: Accidental release mea					
6.1. Personal precautions, protective e		0 71		then Denethered (	
General measures		ite unnecessary personnel. Ensure ade or spray.	equate air ventila	ition. Do not breathe gas, fi	umes,
6.1.1. For non-emergency personnel					
Emergency procedures	: Only q	ualified personnel equipped with suitabl	e protective equ	ipment may intervene.	
6.1.2. For emergency responders					
Protective equipment		attempt to take action without suitable section 8: "Exposure controls/persona		ment. For further informatic	n
Emergency procedures	: Gas/va level.	por heavier than air. May accumulate in	n confined space	es, particularly at or below g	ground

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6.2. Environmental precautions	
Avoid release to the environment. Notify auth	norities if product enters sewers or public waters.
6.3. Methods and material for contain	nment 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, incl	uding 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 temperature	: 2 - 8 °C Use explosion proof refrigerator
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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: Physical and chemical properties**

9.1. Info	ormation on basic physical	and che	mical properties
Physical state	9	:	Liquid
Color		:	No data available
Odor		:	No data available
Odor threshol	d	:	No data available
pН		:	No data available
Melting point		:	No data available
Freezing poin	t	:	No data available
Boiling point		:	≥ 120 °C
Flash point		:	No data available
Relative evap	oration rate (butyl acetate=1)	; ;	No data available
Flammability	(solid, gas)	:	No data available
Explosion limi	its	:	No data available
Explosive pro	perties	:	No data available
Oxidizing prop	perties	:	No data available
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Vapor pressure	:	No data available
Relative density	:	No data available
Relative vapor density at 20 °C	:	No data available
Molecular mass	:	196.17 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

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. Stabilized product: MEHQ.

#### 10.3. Possibility of hazardous reactions

May polymerize.

#### 10.4. Conditions to avoid

Keep away from heat, sparks and flame.

#### 10.5. Incompatible materials

Acids. Bases. Free radical generators. Oxidizing agents.

#### 10.6. Hazardous decomposition products

SECTION 11: Toxicological information

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

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: Not classified	
: Causes skin irritation.	
: Causes serious eye irritation.	
: Not classified	
: May cause respiratory irritation.	
: Not classified	

Aspiration hazard

SECTIC	DN 12: Ecological information
12.1.	Toxicity
No additio	onal information available
12.2.	Persistence and degradability
No additio	onal information available
12.3.	Bioaccumulative potential
No additio	onal information available

: Not classified

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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

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 informat	ion
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	ation
15.1. US Federal regulations	
	or excluded from listing, on the United States Environmental Protection Agency Toxic
All components of this product are listed, of Substances Control Act (TSCA) inventory	except for:

### 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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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
ealth hazard re hazard eactivity	<ul> <li>: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>: 1 - Must be preheated before ignition can occur.</li> <li>: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>
I Rating	
	: 2 Moderate Hazard - Temporary or minor injury may occur
ability	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)
l	: 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.
	Skin Irrit. 2 STOT SE 3 H315 H319 H335 ealth hazard re hazard eactivity

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.