

3-[2-(2-Methoxyethoxy)ethoxy]-1-propene Safety Data Sheet 2308104 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification 1.1. Identification Product form	
Product form	
	: Substance
Substance name	: 3-[2-(2-Methoxyethoxy)ethoxy]-1-propene
CAS No	: 13752-97-1
Product code	: 2308-1-04
Formula	: C8H16O3
Synonyms	: 1-Methoxy-2-[2-(prop-2-en-1-yloxy)ethoxy]ethane; Allyl diethylene glycol methyl ether;
	Diethylene glycol allyl methyl ether
Other means of identification	: MFCD26408099
1.2. Relevant identified uses of the s	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 safe	ety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309	
Alachua, FL 32615 - United States of Americ	ca
T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs	s com
	<u>5.0011</u>
5 5 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V 1 V	(844) 522 4096 (2E Company Account 10060)
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	ion
2.1. Classification of the substance of	
Classification (GHS-US)	
Flam. Liq. 4 H227 - Combustible li	
Acute Tox. 4 (Oral) H302 - Harmful if swa	
Skin Irrit. 2 H315 - Causes skin ir	
Eye Irrit. 2A H319 - Causes seriou STOT SE 3 H335 - May cause res	
Full text of H-phrases: see section 16	
•	
2.2. Label elements	:
2.2. Label elements GHS-US labeling	
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2.2. Label elements GHS-US labeling	: GHS07
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: Warning
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: Warning : H227 - Combustible liquid
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2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	 Warning H227 - Combustible liquid H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
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2.2. Label elements GHS-US labeling	 Warning H227 - Combustible liquid H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product
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	P32 P33 P33 P33 P36 P37 P40 P40 P40	 P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P370+P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish P403+P233 - Store in a well-ventilated place. Keep container tightly closed P403+P235 - Store in a well-ventilated place. Keep cool 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 US)				
Not applicable	/				
SECTION 3: Composition/informa	tion on i	naredients			
3.1. Substance					
Substance type	: Mor	no-constituent			
Name		Product identifier	%	Classification (GHS-US)	
3-[2-(2-Methoxyethoxy)ethoxy]-1-propene (Main constituent)		(CAS No) 13752-97-1	<= 100	Flam. Liq. 4, H227 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					
3.2. Mixture					
Not applicable					
SECTION 4: First aid measures					
4.1. Description of first aid measures			a a a la consta d'a a la a de da	- Serve - Petek (ek eventik e tek et	
First-aid measures general First-aid measures after inhalation	whe	ase of accident or if you feel unwell, re possible). Move the affected pers	onnel away from th	ne contaminated area.	
First-aid measures after skin contact	resp	nove person to fresh air and keep co piration. Get immediate medical advid sh with plenty of soap and water. Get	ce/attention.		
First-aid measures after eye contact				5 minutes. Remove contact lenses, if	
		sent and easy to do. Continue rinsing			
First-aid measures after ingestion		NOT induce vomiting. Never give any th out with water. Get immediate me			
4.2. Most important symptoms and e	fects, bot	n acute and delayed			
Symptoms/injuries		most important known symptoms an and/or in section 11.	nd effects are desc	ribed in the labelling (see section	
4.3. Indication of any immediate med Treat symptomatically.	ical attenti	on and special treatment needed			
SECTION 5: Firefighting measures	8				
5.1. Extinguishing media					
Suitable extinguishing media		bhol resistant foam. Carbon dioxide. ropriate for surrounding fire.	Dry powder. Water	spray. Use extinguishing media	
5.2. Special hazards arising from the	: The	rmal decomposition generates: Carb			
Fire hazard			ement. Use water s	pray or fog for cooling exposed	
Fire hazard	: Risl	of explosion if heated under confine tainers.			
 5.2. Special hazards arising from the Fire hazard Explosion hazard 5.3. Advice for firefighters 	: Risl	•		proj 6. rog 10. coomig 6.pooc	
Fire hazard Explosion hazard	: Risl con : In c	•	remotely due to the	e risk of explosion.	

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SECTION 6: Accidental release meas		
	uipment and emergency procedures	
Seneral measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.	
.1.1. For non-emergency personnel		
mergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.	
1.2. For emergency responders		
rotective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
mergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.	
.2. Environmental precautions		
void release to the environment. Notify authorit	ies if product enters sewers or public waters.	
.3. Methods and material for containme	ent and cleaning up	
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.	
<i>l</i> ethods 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	
recations for sale handling	ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.	
lygiene 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	ng any incompatibilities	
echnical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Keep contents under inert gas.	
ncompatible materials	: Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area.	
SECTION 8: Exposure controls/pers	onal protection	
3.1. Control parameters		
No additional information available		
3.2. 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.	
land protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.	
ye 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 p	properties	
0.1. Information on basic physical and c		
Physical state	: Liquid	
Color	: No data available	

Odor

: No data available

: No data available

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рН	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	86 °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
Oxidizing properties	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Relative vapor density at 20 °C	:	No data available
Specific gravity / density	:	0.916 g/ml
Molecular mass	:	160.2108 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.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Alkali metals. Finely divided metals (Al, Mg, Zn). 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.

SECTION 11: Toxicological information			
11.1.	Information on toxicological effects		

Acute toxicity	: Oral: Harmful if swallowed.
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.

Aspiration hazard

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: Not classified

SECT	ION 12: Ecological information
12.1.	Toxicity
No add	tional information available
12.2.	Persistence and degradability
No add	tional information available
12.3.	Bioaccumulative potential
No add	tional information available
12.4.	Mobility in soil
No add	tional information available
12.5.	Other adverse effects

No additional information available

SECTION 13: Disposal considerations				
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			
Transport document description	: NA1993 Combustible liquid, n	.o.s., 3, III	
UN-No.(DOT)	: NA1993		
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.		
Transport hazard class(es) (DOT)	: 3 - Class 3 - Flammable and c	combustible liquid 49 CFR 173.120	
Packing group (DOT)	: III - Minor Danger		
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203		
DOT Packaging Bulk (49 CFR 173.xxx)	: 241		
DOT Symbols	: D - Proper shipping name for requiring a technical name	domestic use only, or to and from Canada,G - Identifies	PSN
DOT Special Provisions (49 CFR 172.102)	 (31HZ1 and 31HA2, 31HB2, 3 with a vapor pressure less tha C (1.3 bar at 131 F) are autho 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal T4 - 2.65 178.274(d)(2) Normal TP1 - The maximum degree of following: Degree of filling = 9 		only liquids kPa at 55 8 in Table I by the mperature
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150		
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L		
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L		
DOT Vessel Stowage Location	: A - The material may be stown passenger vessel.	ed "on deck" or "under deck" on a cargo vessel and on	а
Other information	: No supplementary information	available.	
TDG			
No additional information available			
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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

_ Substances Control Act (TSCA) Inventory exception.			
3-[2-(2-Methoxyethoxy)ethoxy]-1-propene	CAS No 13752-97-1	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:

Γ	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
	Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A	
	Flam. Liq. 4		Flammable liquids Category 4	
	Skin Irrit. 2		Skin corrosion/irritation Category 2	
	STOT SE 3		Specific target organ toxicity (single exposure) Category 3	
	H227		Combustible liquid	
	H302		Harmful if swallowed	
	H315		Causes skin irritation	
	H319		Causes serious eye irritation	
[H335		May cause respiratory irritation	
		: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.		
		2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.		
NFPA r	NFPA reactivity : 0 - Normally stable, eve and are not reactive wit		under fire exposure conditions, vater.	
HMIS II	I Rating			
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given		
Flamma	ability	: 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)		
Physica	I	: 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.		
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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.