

Methyl hexafluoroisopropyl ether Safety Data Sheet 2107370 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/23/2017 Version: 1.0

SECTION 1: Identification			
	. Substance		
Product form	: Substance	othor	
Substance name	: Methyl hexafluoroisopropy	etner	
CAS No	: 13171-18-1		
Product code	: 2107-3-70		
Formula	: C4H4F6O	ath and mean an a	
Synonyms Other means of identification	: 1,1,1,3,3,3-Hexafluoro-2-m : MFCD00221772	letnoxypropane	
	substance or mixture and uses a	dvised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substance: Scientific research and de		
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 info@synquestlabs.com - <u>www.synquestlab</u>			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Comp	any - Account 10069)	
SECTION 2: Hazard(s) identificat	ion		
2.1. Classification of the substance			
Classification (GHS-US)			
Full 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 H335 - May cause respirat	e irritation	
Precautionary statements (GHS-US)	P302+P352 - If on skin: W P304+P340 - If inhaled: Rd P305+P351+P338 - If in e lenses, if present and easy P312 - Call a POISON CE P321 - Specific treatment P332+P313 - If skin irritatio P337+P313 - If eye irritatio P362+P364 - Take off con P403+P233 - Store in a we P405 - Store locked up	ally after handling by in a well-ventilated area ves/protective clothing/eye protection/face protection ash with plenty of soap and water emove person to fresh air and keep comfortable for b res: Rinse cautiously with water for several minutes. I to do. Continue rinsing NTER or doctor/physician if you feel unwell see supplemental first aid instructions on this label) on occurs: Get medical advice/attention n persists: Get medical advice/attention taminated clothing and wash it before reuse all-ventilated place. Keep container tightly closed	reathing
	•	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 i	ngredients		
3.1. Substance				
Substance type	: Mor	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
Methyl hexafluoroisopropyl ether (Main constituent)		(CAS No) 13171-18-1	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16		·		
.2. Mixture				
lot applicable				
SECTION 4: First aid measures				
I.1. Description of first aid measures				
irst-aid measures general		ase of accident or if you feel unwell, seek		
First-aid measures after inhalation	: Ren	re possible). Move the affected personnel nove person to fresh air and keep comfort iration. Get medical advice/attention.		
irst-aid measures after skin contact	•	sh with plenty of soap and water. Get med	ical advice/atten	tion
irst-aid measures after eye contact		ediately flush eyes thoroughly with water		
irst-aid measures after ingestion	: Do I	ent and easy to do. Continue rinsing. Get NOT induce vomiting. Never give anything	by mouth to an	
	mou	th out with water. Get medical advice/atte	ention.	
.2. Most important symptoms and eff				
Symptoms/injuries		most important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
Indication of any immediate medic Treat symptomatically. SECTION 5: Firefighting measures	al attenti	on and special treatment needed		
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry p ropriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance	or mixture		
Fire hazard	: The	rmal decomposition generates: Carbon ox	ides. Hydrogen	fluoride.
Explosion hazard		of explosion if heated under confinement ainers.	. Use water spra	ay or fog for cooling exposed
3. Advice for firefighters				
Firefighting instructions		ase of fire: Evacuate area. Fight fire remo		•
Protection during firefighting		ar gas tight chemically protective clothing a aratus. For further information refer to sec		
SECTION 6: Accidental release me	asures			
6.1. Personal precautions, protective e	quipmen	t and emergency procedures		
General measures		cuate unnecessary personnel. Ensure ade or or spray.	equate air ventila	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
mergency procedures	: Only	v qualified personnel equipped with suitab	le protective equ	uipment may intervene.
5.1.2. For emergency responders				
Protective equipment		not attempt to take action without suitable		ment. For further information
Emergency procedures	refe : Gas	r to section 8: "Exposure controls/persona /vapor heavier than air. May accumulate i	I protection".	
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6.2. Environmental precautions	
Avoid release to the environment. Notify	authorities if product enters sewers or public waters.
6.3. Methods and material for cor	tainment 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 stor	age
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,	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 chen	nical properties
9.1. Information on basic physica	l and chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available

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Melting point

Boiling point

Flash point

Freezing point

Explosion limits

Vapor pressure

Explosive properties

Oxidizing properties

Flammability (solid, gas)

Relative evaporation rate (butyl acetate=1)

: No data available

: 50 - 50.5 °C

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Relative density	: No data available			
Relative vapor density at 20 °C	: No data available			
Specific gravity / density	: 1.38 g/ml (@ 23 °C)			
Molecular mass	: 182.06 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				
Refractive index	: 1.284 (@ 20 °C)			
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				

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		: Not cla
		. 1101.016

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

SECT	ION 12: Ecological informati	on	
12.1.	Toxicity		
No add	litional information available		
12.2.	Persistence and degradability		
No add	litional information available		
12.3.	Bioaccumulative potential		
No add	litional information available		
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

3.1. Waste treatment methods	Demonstrate an authorized in increation and with an	
Vaste treatment methods Vaste disposal recommendations	: Remove to an authorized incinerator equipped with an : Dispose of contents/container in accordance with licens	-
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport information		
Department of Transportation (DOT)		
n 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 exc Substances Control Act (TSCA) inventory except	luded from listing, on the United States Environmental Pro ot for:	tection Agency Toxic
		tection Agency Toxic 100%
Substances Control Act (TSCA) inventory excep Methyl hexafluoroisopropyl ether This product or mixture does not contain a toxic	ot for:	100% mis concentration as specified in 40
Substances Control Act (TSCA) inventory except Methyl hexafluoroisopropyl ether This product or mixture does not contain a toxic CFR §372.38(a) subject to the reporting require and 40 CFR Part 372.	CAS No 13171-18-1 chemical or chemicals in excess of the applicable de minin	100% mis concentration as specified in 40
Substances Control Act (TSCA) inventory excep Methyl hexafluoroisopropyl ether This product or mixture does not contain a toxic CFR §372.38(a) subject to the reporting require and 40 CFR Part 372. 15.2. International regulations CANADA	CAS No 13171-18-1 chemical or chemicals in excess of the applicable de minin	100% mis concentration as specified in 40
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Substances Control Act (TSCA) inventory excep Methyl hexafluoroisopropyl ether This product or mixture does not contain a toxic CFR §372.38(a) subject to the reporting require and 40 CFR Part 372. 15.2. International regulations CANADA No additional information available EU-Regulations No additional information available No additional information available No additional information available	Dt for: CAS No 13171-18-1 chemical or chemicals in excess of the applicable de miniments of section 313 of Title III of the Superfund Amendment 1 Chemical Substances) inventory	100% mis concentration as specified in 40
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Full tex	t 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
residual i given. NFPA fire hazard : 0 - Mater NFPA reactivity : 0 - Norm		 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS I Health Flamm Physica		 2 Moderate Hazard - Temporary or minor injury may occur 0 Minimal Hazard - Materials that will not burn 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.