

Safety Data Sheet 2107345

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/09/2016 Version: 1.0

SECTION 1: Identification		
1.1. Identification		
Product form	: Substance	
Substance name	: 1H,1H,5H-Octafluoropentyl 1,1,2,2	2-tetrafluoroethyl ether
CAS No	: 16627-71-7	
Product code	: 2107-3-45	
ormula	: C7H4F12O	
ynonyms	: 1H,4H,4H,8H-Perfluoro-3-oxaocta	ne
ther means of identification	: MFCD00155904	
2. Relevant identified uses of the	substance or mixture and uses advised	against
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developme	•
.3. Details of the supplier of the sa	fetv data sheet	
SynQuest Laboratories, Inc. 2.O. Box 309 Alachua, FL 32615 - United States of Ameri Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlab	ca	
.4. Emergency telephone number		
mergency number	: (844) 523-4086 (3E Company - Ao	count 10069)
Full text of H-phrases: see section 16		
2.2. Label elements GHS-US labeling		
Hazard pictograms (GHS-US)		
Signal word (GHS-US)	GHS07 : Warning	
lazard statements (GHS-US)	 H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation 	
Precautionary statements (GHS-US)	P302+P352 - If on skin: Wash with P304+P340 - If inhaled: Remove p P305+P351+P338 - If in eyes: Rin lenses, if present and easy to do. P312 - Call a POISON CENTER of P321 - Specific treatment (see sup P332+P313 - If skin irritation occu P337+P313 - If eye irritation persis P362+P364 - Take off contaminat	handling vell-ventilated area tective clothing/eye protection/face protection plenty of soap and water person to fresh air and keep comfortable for breathing se cautiously with water for several minutes. Remove cont Continue rinsing r doctor/physician if you feel unwell oplemental first aid instructions on this label) rs: Get medical advice/attention
	F403+F233 - Store III a weil-ventil	ated place. Keep container tightly closed

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P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant 2.3. Other hazards No additional information available Unknown acute toxicity (GHS US) 2.4. Not applicable **SECTION 3: Composition/information on ingredients** 3.1. Substance Substance type : Mono-constituent **Classification (GHS-US)** Name Product identifier % 1H,1H,5H-Octafluoropentyl 1,1,2,2-tetrafluoroethyl ether (CAS No) 16627-71-7 Skin Irrit. 2, H315 <= 100 Eye Irrit. 2A, H319 (Main constituent) STOT SE 3, H335 Full text of H-phrases: see section 16 3.2. **Mixture** Not applicable **SECTION 4: First aid measures Description of first aid measures** 4.1. : In case of accident or if you feel unwell, seek medical advice immediately (show the label First-aid measures general where possible). Move the affected personnel away from the contaminated area. First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention. First-aid measures after skin contact : Wash with plenty of soap and water. Get medical advice/attention. Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if First-aid measures after eye contact present and easy to do. Continue rinsing. Get medical advice/attention. First-aid measures after ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention. Most important symptoms and effects, both acute and delayed 42 Symptoms/injuries The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11. Symptoms/injuries after inhalation : May cause drowsiness or dizziness. 4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. **SECTION 5: Firefighting measures Extinguishing media** 5.1. Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media Suitable extinguishing media appropriate for surrounding fire. 5.2. Special hazards arising from the substance or mixture Fire hazard : Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed Explosion hazard containers 5.3. Advice for firefighters **Firefighting instructions** : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Wear gas tight chemically protective clothing in combination with self contained breathing Protection during firefighting apparatus. For further information refer to section 8: "Exposure controls/personal protection". **SECTION 6: Accidental release measures** 6.1. Personal precautions, protective equipment and emergency procedures General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. 6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.

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6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency 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 author	ities if product enters sewers or public waters.	
6.3. Methods and material for containm		
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.	
Nethods 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, includ	ling any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use.	
ncompatible materials	· Defer to Section 10 on Incompatible Materials	
ncompatible materials	: Refer to Section 10 on Incompatible Materials.	
	: Store in dry, cool, well-ventilated area.	
Storage area	: Store in dry, cool, well-ventilated area.	
Storage area SECTION 8: Exposure controls/pers	: Store in dry, cool, well-ventilated area.	
Storage area SECTION 8: Exposure controls/pers 8.1. Control parameters	: Store in dry, cool, well-ventilated area.	
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: No data available
: No data available
: 332.09 g/mol
: No data available

Other information 9.2.

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. Strong bases. Strong oxidizing agents.
40.0	

Hazardous decomposition products 10.6.

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 informa 11.1. Information on toxicological effects	
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
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
SECTION 12: Ecological information	1
12.1. Toxicity	

No additional information available

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12.2.	Persistence and degradability		
	litional information available		
NU auui			
12.3.	Bioaccumulative potential		
No addi	itional information available		
12.4.	Mobility in soil		
	litional information available		

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideratio	ns
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.
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:		
1H,1H,5H-Octafluoropentyl 1,1,2,2-tetrafluoroethyl ether	CAS No 16627-71-7	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 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
NFPA f	nealth hazard ire hazard reactivity	 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.
	II Rating	
Health		: 2 Moderate Hazard - Temporary or minor injury may occur
Flamm	ability	: 0 Minimal Hazard - Materials that will not burn
Physica	al	: 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.