

Safety Data Sheet 2108342 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/23/2018 Revision date: 10/02/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Perfluoropolyether triol		
Product code	: 2108-3-42		
1.2. Relevant identified uses of the subst	ance 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 safety d	lata sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs.com			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Account 10069)		
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mixture			
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irritation Eve Irrit. 2A H319 - Causes serious eye irritation			

STOT SE 3 H335 - May cause respiratory irritation

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 irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant
2.3. Other hazards	
No ARG Constant - Constant	

No additional information available

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2.4. Unknown acute toxicity (GHS US)			
Not applicable			
SECTION 3: Composition/informatic	on on ingredients		
3.1. Substance			
Substance type	: Polymer		
Name	Product identifier	%	Classification (GHS-US)
Perfluoropolyether triol (Main constituent)		<= 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			
First-aid measures general	: In case of accident or if you feel u where possible). Move the affected	d personnel away from th	e contaminated area.
First-aid measures after inhalation	: Remove person to fresh air and k respiration. Get medical advice/at	tention.	
First-aid measures after skin contact	: Wash with plenty of soap and wat		
First-aid measures after eye contact	present and easy to do. Continue rinsing. Get medical advice/attention.		ce/attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never g mouth out with water. Get medica		an unconscious person. Rinse
1.2. Most important symptoms and effective	mptoms and effects, both acute and delayed		
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	: The most important known sympt 2.2) and/or in section 11.	oms and effects are descr	ibed in the labelling (see section
Symptoms/injuries	: The most important known sympt 2.2) and/or in section 11.		ibed in the labelling (see section
Symptoms/injuries	: The most important known sympt 2.2) and/or in section 11.		ibed in the labelling (see section
Symptoms/injuries 4.3. Indication of any immediate medica Treat symptomatically.	: The most important known sympt 2.2) and/or in section 11.		ibed in the labelling (see section
Symptoms/injuries I.3. Indication of any immediate medica Freat symptomatically. SECTION 5: Firefighting measures	: The most important known sympt 2.2) and/or in section 11.		ribed in the labelling (see section
Symptoms/injuries I.3. Indication of any immediate medica Treat symptomatically. SECTION 5: Firefighting measures S.1. Extinguishing media	: The most important known sympt 2.2) and/or in section 11.	eded	
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Symptoms/injuries	The most important known sympt 2.2) and/or in section 11. al attention and special treatment new Alcohol resistant foam. Carbon di appropriate for surrounding fire.	eeded oxide. Dry powder. Water	spray. Use extinguishing media
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Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. 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, includ	ling 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

Control parameters 8.1.

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 chemica	al properties
9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
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

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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 read			
No additional information available			
10.2. Chemical stability The product is stable at normal handling	and storage conditions		
	-		
10.3. Possibility of hazardous read	itions		
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, M	Alkali metals. Finely divided metals (Al, Mg, Zn). Strong oxidizing agents.		
10.6. Hazardous decomposition pr	6. Hazardous decomposition products		
Under normal conditions of storage and u fire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of		
SECTION 11: Toxicological inf	ormation		
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 : Not classified exposure)

Aspiration hazard

: Not classified

SECT	ION 12: Ecological informatio	n		
12.1.	Toxicity			
No addi	No additional information available			
12.2.	Persistence and degradability			
No addi	tional information available			
12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	tional information available			
12.5.	Other adverse effects			
No additional information available				
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SECTION 13: Disposal considera	itions
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 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

15.1. US Federal regulations

Perfluoropolyether triol

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

Revision date

: 10/02/2017

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

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NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. NFPA fire hazard : 0 - Materials that will not burn. NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. HMIS III Rating : 1 Slight Hazard - Irritation or minor reversible injury possible Flammability : 0 Minimal Hazard - Materials that will not burn 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.		
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. HMIS III Rating Health : 1 Slight Hazard - Irritation or minor reversible injury possible Flammability : 0 Minimal Hazard - Materials that will not burn Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	NFPA health hazard	residual injury even though prompt medical attention was
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. HMIS III Rating Health : 1 Slight Hazard - Irritation or minor reversible injury possible Flammability : 0 Minimal Hazard - Materials that will not burn Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	NFPA fire hazard	: 0 - Materials that will not burn.
Health: 1 Slight Hazard - Irritation or minor reversible injury possibleFlammability: 0 Minimal Hazard - Materials that will not burnPhysical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions,
Flammability : 0 Minimal Hazard - Materials that will not burn Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	HMIS III Rating	
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT	Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
	Flammability	: 0 Minimal Hazard - Materials that will not burn
	Physical	

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.