

Safety Data Sheet 1200209 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/02/2015 Version: 1.0

SECTION 1: Identification	
Product form	: Substance
Substance name	: Perfluoro-1,3-dimethylcyclohexane, tech
CAS No	: 335-27-3
Product code	: 1200-2-09
Formula	: C8F16
Other means of identification	: MFCD00001469
1.2. Relevant identified uses of the s No additional information available	substance or mixture and uses advised against
	fatu data abaat
1.3. Details of the supplier of the sat SynQuest Laboratories, Inc.	iery data sheet
P.O. Box 309	
Alachua, FL 32615 - United States of Ameri	ca
T (386) 462-0788 - F (386) 462-7097	
info@synquestlabs.com - www.synquestlab	s.com
1.4. Emergency telephone number Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Emergency number	. (644) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	ion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
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 P337+P313 - If eye irritation persists: 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	
2.3. Other hazards No additional information available	

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2.4.	Unknov	V

2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informat	ion on i	ngredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
Perfluoro-1,3-dimethylcyclohexane, tech (Main constituent)		(CAS No) 335-27-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16			•	<u> </u>
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	whe	ase of accident or if you feel unv re possible). Move the affected	personnel away from th	ne contaminated area.
First-aid measures after inhalation	resp	iration. Get medical advice/atter	ntion.	hing. If not breathing, give artificial
First-aid measures after skin contact		h with plenty of soap and water		
First-aid measures after eye contact	advi	ediately flush eyes thoroughly w ce/attention.		
First-aid measures after ingestion		NOT induce vomiting. Never give th out with water. Get medical a		an unconscious person. Rinse
4.2. Most important symptoms and ef		•		
Symptoms/injuries		most important known symptom and/or in section 11.	ns and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate medi	cal attenti	on and special treatment need	led	
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxi opriate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard	: The	mal decomposition generates:	Carbon oxides. Hydrog	en fluoride.
5.3. Advice for firefighters				
Protection during firefighting		not attempt to take action withou to section 8: "Exposure control		uipment. For further information
SECTION 6: Accidental release me	asures			
6.1. Personal precautions, protective	equipmen	and emergency procedures		
General measures		cuate unnecessary personnel. E or or spray.	insure adequate air ver	ntilation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped w	vith suitable protective e	equipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action withou to section 8: "Exposure control		uipment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify author	orities if pro	duct enters sewers or public wa	ters.	
6.3. Methods and material for contain	ment and	cleaning up		
For containment		for recovery or absorb with app	propriate material.	
Methods for cleaning up	expl	e up large spills with pump or va osion-proof equipment. Take up s into appropriate container for c	small spills with dry ch	ry chemical absorbent. Use lemical absorbent. Sweep or shovel

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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	: 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, includi	ng any incompatibilities
Storage conditions	: Keep container tightly closed.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECTION 8	SECTION 8: Exposure controls/personal protection		
8.1. Cont	trol parameters		
No additional ir	nformation available		
8.2. Expo	osure controls		
Appropriate en	gineering 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 protectio	n	:	Protective gloves.
Eye protection		:	Chemical goggles or safety glasses. Face shield.
Skin and body	protection	:	Wear suitable protective clothing.
Respiratory pro	otection	:	In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

•	nematic	: No data available : No data available	
Viscosity		: No data available	
Booompoolar			
Decompositic	on temperature	: No data available	
Auto-ignition	temperature	: No data available	
Log Pow		: No data available	
Solubility		: No data available	
Molecular ma		: 400.06 g/mol	
Specific gravi	rity / density	: 1.828 g/ml	
Relative vapo	or density at 20 °C	: No data available	
Relative dens	sity	: No data available	
Vapor pressu	ure	: 35 mm Hg (@ 25 °C)	
Oxidizing pro	operties	: No data available	
Explosive pro	operties	: No data available	
Explosion lim		: No data available	
Flammability	(solid, gas)	: No data available	
Relative evap	poration rate (butyl acetate=1)	: No data available	
Flash point		: No data available	
Boiling point		: 101 - 102 °C	
Freezing poir	nt	: No data available	
Melting point	t	: -55 °C	
pН		: No data available	
Odor thresho	bld	: No data available	
Odor		: No data available	
Color		: No data available	
Physical state	е	: Liquid	

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Viscosity	, dynamic	: No data available		
9.2.	Other information			
Refractiv	e index	: 1.2895		
SECTI	ON 10: Stability and reactivity			
10.1.	Reactivity			
No additi	onal 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			
No additi	onal information available			
10.5.	Incompatible materials			
Strong or	xidizing 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.

SECTI	ON 11: Toxicological information
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

SECTIO	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
12.4.	Mobility in soil
No additio	onal information available
12.5.	Other adverse effects
No additio	onal information available

SECTIO	ON 13: Disposal consideration	S
13.1.	Waste treatment methods	
Waste tre	atment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste dis	sposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

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

Perfluoro-1,3-dimethylcyclohexane, tech (335-27-3)

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

Perfluoro-1,3-dimethylcyclohexane, tech (335-27-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Perfluoro-1,3-dimethylcyclohexane, tech (335-27-3)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

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

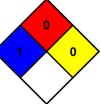
Full text of H-phrases:

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 health hazard	 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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.



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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 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.