

1H,1H,2H,2H-Perfluorododecan-1-ol Safety Data Sheet 2101329 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/09/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 1H,1H,2H,2H-Perfluorododecan-1-ol
CAS No	: 865-86-1
Product code	: 2101-3-29
Formula	: C12H5F21O
Synonyms	: 1H,1H,2H,2H-Perfluorododecanol-1; 1,1,2,2-Tetrahydroperfluorododecanol; 2-
	(Perfluorodecyl)ethanol; 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12- Henicosafluorododecanol
Other means of identification	: MFCD00039545
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 saf	fety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificati	
2.1. Classification of the substance	
	or mixture
Classification (GHS-US)	
Classification (GHS-US)Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye iSTOT SE 3H335 - May cause respiratorFull text of H-phrases: see section 16	1 irritation
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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	
2.4. Unknown acute toxicity (GHS US)	
Not applicable	
SECTION 3: Composition/informat	tion on ingredients
3.1. Substance	
Substance type	: Mono-constituent
Name	Product identifier % Classification (GHS-US)
1H,1H,2H,2H-Perfluorododecan-1-ol (Main constituent)	(CAS No) 865-86-1 <= 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 unwell, seek medical advice immediately (show the label 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.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, i 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.
4.2. Most important symptoms and ef	
Symptoms/injuries	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.
•	ical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	5
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use 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.
5.3. Advice for firefighters	
Firefighting instructions	: In case of fire: Evacuate area.
Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
SECTION 6: Accidental release me	
	equipment and emergency procedures
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.
6.1.1. For non-emergency personnel	
	: Only qualified personnel equipped with suitable protective equipment may intervene.
· · · · · · · · · · · · · · · · · · ·	
Emergency procedures	
Emergency procedures	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures 6.1.2. For emergency responders	

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For containment	: Stop leak if safe to do so.
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
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 sto	rage
7.1. Precautions for safe handlin	g
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 dust, mist, spray. 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.

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 chemical properties

9.1. Information on basic physical an	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 95 °C
Freezing point	: No data available
Boiling point	: 145 °C (@ 10 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
Molecular mass	: 564.13 g/mol

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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 reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling and sto	prage 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 product	S
Under normal conditions of storage and use, ha fire, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case
SECTION 11: Toxicological informa	tion
11.1. Information on toxicological effects	3
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

12.2.	Persistence and degradability			
No addit	No additional information available			
12.3.	Bioaccumulative potential			
No additional information available				
12.4.	Mobility in soil			
No additional information available				
12.5.	Other adverse effects			
No additional information available				
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SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste treatment methods Waste disposal recommendations	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. 		
Additional information	: Recycle the material as far as possible.		
	. Recycle the material as fai as possible.		
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		
I5.1. US Federal regulations		
1H,1H,2H,2H-Perfluorododecan-1-ol (865-86-1)		
Listed on the United States TSCA (Toxic Substances	s Control Act) inventory	
EPA TSCA Regulatory Flag	S - S - indicates a substance that is identified in a proposed or final Significant New Uses Rule.	

excluded from listing, on the United States Environmental Protection Agency Toxic ompone a, or 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		
1H,1H,2H,2H-Perfluorododecan-1-ol (865-86-1)		
Listed on the Canadian DSL (Domestic Sustances List)		
EU-Regulations No additional information available		

National regulations

1H,1H,2H,2H-Perfluorododecan-1-ol (865-86-1)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in Chi	na)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on NZIoC (New Zealand Inventory of Chemicals)	

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
residual injury even thougiven. NFPA fire hazard : 0 - Materials that will not NFPA reactivity : 0 - Normally stable, even		 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.