

Safety Data Sheet 1200305T

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 Identification 1.1. Product form : Substance Substance name 1H,2H-Octafluorocyclopentane, technical grade CAS No 828-35-3 Product code 1200-3-05T Formula C5H2F8 Synonyms 1,1,2,2,3,3,4,5-Octafluorocyclopentane Other means of identification : MFCD03094303 Relevant identified uses of the substance or mixture and uses advised against 1.2. No additional information available Details of the supplier of the safety data sheet 1.3. SvnQuest Laboratories. Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.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 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 : H315 - Causes skin irritation Hazard statements (GHS-US) H319 - Causes serious eye irritation H335 - May cause respiratory irritation : P261 - Avoid breathing fumes, mist, spray, vapors Precautionary statements (GHS-US) 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

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Name 1H,2H-Octafluorocyclopentane, technical grade (Main constituent) 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 o wh First-aid measures after inhalation : Re res	Ingredients Product identifier % Classification (GHS-US) (CAS No) 828-35-3 <= 100 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335		
2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/information on 3.1. Substance Substance type Substance type 1H,2H-Octafluorocyclopentane, technical grade (Main constituent) Full text of H-phrases: see section 16 3.2. Mixture Not applicable SECTION 4: First aid measures First-aid measures general : In o wh First-aid measures after inhalation : Re res	Product identifier % Classification (GHS-US) (CAS No) 828-35-3 <= 100		
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res			
First-aid measures after skin contact Wa	move person to fresh air and keep comfortable for breathing. If not breathing, give artificial spiration. Get medical advice/attention.		
	ash with plenty of soap and water. Get medical advice/attention.		
adv	mediately flush eyes thoroughly with water for at least 15 minutes. Get medical vice/attention.		
	NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse buth out with water. Get medical advice/attention.		
4.2. Most important symptoms and effects, bot	-		
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.			
4.3. Indication of any immediate medical attent	tion and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
	cohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media propriate for surrounding fire.		
5.2. Special hazards arising from the substanc	e or mixture		
Fire hazard : The	ermal decomposition generates: Carbon oxides. Hydrogen fluoride.		
5.3. Advice for firefighters			
Protection during firefighting : Do	o not attempt to take action without suitable protective equipment. For further information er to section 8: "Exposure controls/personal protection".		
SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipment			
	acuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, por or spray.		
6.1.1. For non-emergency personnel			
0 71	ly qualified personnel equipped with suitable protective equipment may intervene.		
1.2. For emergency responders			
	not attempt to take action without suitable protective equipment. For further information er to section 8: "Exposure controls/personal protection".		
6.2. Environmental precautions			
Avoid release to the environment. Notify authorities if pr	roduct enters sewers or public waters.		
6.3. Methods and material for containment and	d cleaning up		
For containment : Dik	ke for recovery or absorb with appropriate material.		
General measures : Eva 6.1.1. For non-emergency personnel Emergency procedures : On 6.1.2. For emergency responders Protective equipment : Do	acuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, f por or spray. Inly qualified personnel equipped with suitable protective equipment may intervene.		

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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.		
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, include	ding any incompatibilities		
Storage conditions	is : Keep container tightly closed.		
ncompatible materials	: Refer to Section 10 on Incompatible Materials.		
Storage area	: Store in dry, cool, well-ventilated area.		
SECTION 8: Exposure controls/per	sonal protection		
8.1. Control parameters			
No additional information available			
3.2. 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.		
Eye protection	Chemical goggles or safety glasses. Face shield.		
Skin and body protection	: Wear suitable protective clothing.		
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.		
SECTION 9: Physical and chemical	properties		
0.1. Information on basic physical and	chemical properties		
Physical state	: Liquid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
ЪН	: No data available		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: 79 °C		
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		
•	: No data available		
Explosive properties			
Oxidizing properties	: No data available		
Vapor pressure	: No data available		
Relative density	: No data available		
Polative vapor density at 20 °C	· No data available		

Auto-ignition temperature

Solubility

Log Pow

: No data available

: No data available

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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	tivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling a	and storage conditions.
10.3. Possibility of hazardous reac	tions
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition pr	oducts
Under normal conditions of storage and u ire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case
SECTION 11: Toxicological info	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
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- Specific target organ toxicity (single exposure) : May cause respiratory irritation.
- : Not classified Specific target organ toxicity (repeated

Aspiration hazard

exposure)

SECTION 12: Ecological information				
12.1.	Toxicity			
No additional information available				
12.2.	Persistence and degradability			
No add	itional 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 odd	itional information available			

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.

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

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,2H-Octafluorocyclopentane, technical grade	CAS No 828-35-3	100%
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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

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	: 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.
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.