

Safety Data Sheet 2120302

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/01/2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 1,1,1,5,5,5-Hexafluoro-3-hydroxy-4-(trifluoromethyl)pentan-2-one
CAS No	
	: 1309602-15-0
Product code	: 2120-3-02
Formula	: C6H3F9O2
Other means of identification	: MFCD19442052
1.2. Relevant identified uses of the	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 sa	ifety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato	
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Full text of H-phrases: see section 16	rry irritation
Full text of H-phrases: see section 16 2.2. Label elements	rry irritation
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	ry irritation
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	: : : : : : : : : : : : : :
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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P501 - Dispose of contents/container to an approved waste disposal plant

Name Product identifier % Classification (GHS-US Generation) 1.1,1,5,5,5-Headhord-3-Hydroxy-4-(triflueromethylipentan-2- orgeneration) (cAs No) 1300602-15-0 < < < < < SM Init. 2, H315 STOT SE 3, H335 SM Init. 2, H315 STOT SE 3, H335 20 Mixture Vot applicable Mixture Vot applicable SM Init. 2, H315 STOT SE 3, H335 2.1 Mixture Vot applicable Mixture Vot applicable Not applicable SECTION 4: First ald measures inst-aid measures after inhalation : Remove person to fresh air and keep confortable for breathing, if yee ant respirable. Nove the affected personnel away from the contaminated area. : : Remove person to fresh air and keep confortable for breathing, if yee ant respirable. Nove the effected personnel away from the contaminated area. First-aid measures after eye contact : Wash with pirot applicable web thoroughly with water for at least 15 minutas. Remove contact lear present and keep yor do. Continue meining. Get medical advice/attention. First-aid measures after ingestion : Do NOT induce voming. Never give anyting by mouth to a unconscious person. Rins mouth out with water. Get medical advice/attention. Site Attago and advice/attention. : In mediatable fact medical advice/attention. Site Attago and advice/attention. : Do NOT induce	No additional information available				
Section 3: Composition/information on ingredients Substance Substance type Substance Substanc	2.4. Unknown acute toxicity (GHS US	S)			
Substance Substance Substance type : Mono-constituet Name Product identifier % Classification (GHS-US Strong in 2, 41315 (CAS No) 1306002-15-0 In the substance of the subst	Not applicable				
Substance type : Mone-constituent Product identifier % Classification (6HS-US Subject 2000) 11.15.5.5Hestalluor3-shydroxy-4 (uffluoronethylgpentan-2: Construction) (CAS No) 1309902-15-0 <e> 100 Sub Init: 2, H315 Eye Init: 2, H315 Eye Init: 2, H315 2.1 Mixture Subject 2015 Subject 2015<th>SECTION 3: Composition/informa</th><th>tion on in</th><th>gredients</th><th></th><th></th></e>	SECTION 3: Composition/informa	tion on in	gredients		
Name Product identifier % Classification (GHS-US Sum Int. 2, H315 Sum Int. 2, H315 Su	3.1. Substance				
11.1.6.5.45Hadducaro-3-hydraxy-4-(influoromethylipentan-2- ore diverse constanting (cA8 Ne) 1309602-15-0 c= 100 Stin Intit. 2, H315 STOT SE 3, H335 21.0 Mixture Stot SE 3, H335 Stot SE 3, H335 22.0 Mixture Stot SE 3, H335 Stot SE 3, H335 23.1 Mixture Mixture Stot SE 3, H335 41.1 Description of first aid measures In case of accident or if you feel unwell, seek medical advice immediately (show the labe where possible). Move the affected personnel away from the contaminated area. 21.1.5.6.4 Remove person to fresh air and keep conflortable for breathing. If not breathing, give ant respiration. Cell the yees throughly with water for the diad advice/attention. 21.1.5.6.4 Immediately line by est foroighty with water for the diad advice/attention. 21.1.5.6.5 Do NOT induce vomiling. Never give anything by mouth to an unconscious person. Rins mouth our with water. Get medical advice/attention. 4.2. Most important symptoms and effects. both acute and delayed 2.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. Section 11. 5.1. Extinguishing media 2.2. and/or in section 11. 3.1. Indication of any immediate medical attention and special treatment needed	Substance type	: Mono	-constituent		
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6.1.1. For non-emergency personnel Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	6.1. Personal precautions, protective	equipment	and emergency procedures		
 Emergency procedures Conly qualified personnel equipped with suitable protective equipment may intervene. 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". 	General measures			ire adequate air venti	lation. Do not breathe gas, fumes,
 Emergency procedures Conly qualified personnel equipped with suitable protective equipment may intervene. 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". 	6.1.1. For non-emergency personnel				
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	0 71	: Only	qualified personnel equipped with	suitable protective eq	uipment may intervene.
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	6.1.2. For emergency responders				
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Emerg	ency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2.	Environmental precautions	
Avoid ı	elease to the environment. Notify a	uthorities if product enters sewers or public waters.
6.3.	Methods and material for cont	ainment and cleaning up
For co	ntainment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methoo	ts 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 i	nformation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No ado	litional information available	
SECT	ION 7: Handling and stora	ge
7.1.	Precautions for safe handling	
Precau	tions 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.
Hygien	e 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, in	cluding any incompatibilities

	. 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

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 and	d chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: 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

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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	:	278.0724 g/mol
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

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

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 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	ON 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			
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerat	ions	
13.1. Waste treatment methods		
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and Dispose of contents/container in accordance with licensed collector's s Recycle the material as far as possible. 	0
SECTION 14: Transport information	on l	
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 informat	ion	
15.1. US Federal regulations		
All components of this product are listed, or Substances Control Act (TSCA) inventory e	excluded from listing, on the United States Environmental Protection Agency xcept for:	Toxic
1,1,1,5,5,5-Hexafluoro-3-hydroxy-4-(trifluoro	omethyl)pentan-2-one CAS No 1309602-15-0	100%
	oxic chemical or chemicals in excess of the applicable de minimis concentration uirements of section 313 of Title III of the Superfund Amendments and Reaution 2010 and Reauti	
45.0 Internetienal resculations		

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	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
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.