

# Hexafluoro-2-methylisopropyl acrylate

Safety Data Sheet 2324347 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/04/2017 Version: 1.0

SECTION 1: Identification 1.1. Identification	
Product form	: Substance
Substance name	: Hexafluoro-2-methylisopropyl acrylate
CAS No	: 53038-41-8
Product code	: 2324-3-47
Formula	: C7H6F6O2
Synonyms	: 1,1,1,3,3,3-Hexafluoro-2-methylpropan-2-yl prop-2-enoate
Other means of identification	: MFCD03094206
	ubstance or mixture and uses advised against
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the safe	ety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309	
Alachua, FL 32615 - United States of America Γ (386) 462-0788 - F (386) 462-7097	a
nfo@synquestlabs.com - www.synquestlabs.	<u>.com</u>
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
STOT SE 3 H335 - May cause respiratory	/ irritation
Full text of H-phrases: see section 16	/ irritation
Full text of H-phrases: see section 16 2.2. Label elements	/ irritation
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	; irritation
Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	:
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
Full text of H-phrases: see section 16	:

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
	• •			
SECTION 3: Composition/informat	ion on in	gredients		
3.1. Substance				
Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
Hexafluoro-2-methylisopropyl acrylate (Main constituent)		(CAS No) 53038-41-8	<= 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		se of accident or if you feel unwell, seek e possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get med	ical advice/atten	tion.
First-aid measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get		,
First-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and eff	ects, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate media	cal attentio	n and special treatment needed		
<b>4.3.</b> Indication of any immediate media Treat symptomatically.	cal attentio	n and special treatment needed		
Treat symptomatically.		n and special treatment needed		
Treat symptomatically. SECTION 5: Firefighting measures		n and special treatment needed		
Treat symptomatically.	: Alcoh	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media	: Alcoh appro	ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
Section 5: Firefighting measures         5.1.       Extinguishing media         Suitable extinguishing media	: Alcoh appro	ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.		
Treat symptomatically.         SECTION 5: Firefighting measures         5.1.       Extinguishing media         Suitable extinguishing media         5.2.       Special hazards arising from the statements	: Alcoh appro substance ( : Therr : Risk (	ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire. or mixture	ides. Hydrogen	fluoride.
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Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions	: Alcoh appro substance ( : Therr : Risk ( conta : In cas : Wear appar	tol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. <b>or mixture</b> nal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remote gas tight chemically protective clothing i	ides. Hydrogen . Use water spra ely due to the ris n combination w	fluoride. ay or fog for cooling exposed sk of explosion. <i>r</i> ith self contained breathing
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Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release me 6.1. Personal precautions, protective of General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	: Alcoh appro substance o : Therr : Risk o conta : In cas : Wear appar equipment : Evacu vapor : Only : Do no refer	nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. <b>or mixture</b> nal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remoti- gas tight chemically protective clothing is ratus. For further information refer to sec <b>and emergency procedures</b> uate unnecessary personnel. Ensure ade or spray. qualified personnel equipped with suitable to section 8: "Exposure controls/personal vapor heavier than air. May accumulate i	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposur equate air ventila le protective equip protective equip l protection".	fluoride. ay or fog for cooling exposed sk of explosion. <i>i</i> th self contained breathing e controls/personal protection". ation. Do not breathe gas, fumes, ipment may intervene.

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6.2. Environmental precautions	2. Environmental precautions		
Avoid release to the environment. Notify authorities if product enters sewers or public waters.			
6.3. Methods and material for containm	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	ing 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 temperature : 2 - 8 °C Use explosion proof refrigerator			

: Store in dry, well-ventilated area. Storage 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**

04/04/0047	EN (English LIC)	
Oxidizing properties	: No data available	
Explosive properties	: No data available	
Explosion limits	: No data available	
Flammability (solid, gas)	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flash point	: No data available	
Boiling point	: 60 - 61 °C (@ 190 mm Hg)	
Freezing point	: No data available	
Melting point	: No data available	
рН	: No data available	
Odor threshold	: No data available	
Odor	: No data available	
Color	: No data available	
Physical state	: Liquid	
9.1. Information on basic physical an	d chemical properties	

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Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 236.11 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

OFOTION 44. To

No additional information available

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing 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.

<ul> <li>Not classified</li> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Not classified</li> </ul>
<ul><li>Causes serious eye irritation.</li><li>Not classified</li></ul>
: Not classified
· Not classified
: Not classified
: Not classified
: May cause respiratory irritation.
: Not classified
: Not classified

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional 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 conside	ations	
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped	l with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance w	vith licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informa	tion	
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 inform	ation	
15.1. US Federal regulations		
All components of this product are listed. Substances Control Act (TSCA) inventor	or excluded from listing, on the United States Environme	ental Protection Agency Toxic
Hexafluoro-2-methylisopropyl acrylate	CAS No 53038-41-8	100%

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	: 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	<ul> <li>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)</li> </ul>
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.