

# **2,3,4,5,6-Pentafluorophenyl methanesulfonate** Safety Data Sheet 6663308 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/26/2017 Version: 1.0

SECTION 1: Identification			
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1.1. Identification			
Product form	: Substance		
Substance name	: 2,3,4,5,6-Pentafluorophenyl methanesulfonate		
CAS No	: 161912-36-3		
Product code	: 6663-3-08		
Formula	: C7H3F5O3S		
Other means of identification	: C7H3F5O3S : MFCD06659544		
	stance 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 safety	/ data sheet		
SynQuest Laboratories, Inc.			
P.O. Box 309			
Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097			
info@synguestlabs.com - www.synguestlabs.co	m		
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 (CHS US)			
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrit.	ation		
STOT SE 3 H335 - May cause respiratory in			
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)			
	•		
	GHS07		
Signal word (GHS-US)	GHS07 : Warning		
Signal word (GHS-US) Hazard statements (GHS-US)	<ul> <li>Warning</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> </ul>		
Hazard statements (GHS-US)	<ul> <li>Warning</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H335 - May cause respiratory irritation</li> </ul>		
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2.3. Other hazards			
No additional information available 2.4. Unknown acute toxicity (GHS US			
Not applicable			
	tion on insuration to		
SECTION 3: Composition/information	tion on ingredients		
3.1. Substance	. Mana anaditi ant		
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2,3,4,5,6-Pentafluorophenyl methanesulfonate (Main constituent)	(CAS No) 161912-36-3	<= 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	where possible). Move the	a feel unwell, seek medical advice affected personnel away from the	contaminated area.
First-aid measures after inhalation	respiration. Get medical ad		
First-aid measures after skin contact		nd water. Get medical advice/atte	
First-aid measures after eye contact	present and easy to do. Co	ntinue rinsing. Get medical advice	
First-aid measures after ingestion	mouth out with water. Get r	lever give anything by mouth to a nedical advice/attention.	n unconscious person. Kinse
I.2. Most important symptoms and ef			
Symptoms/injuries	: The most important known 2.2) and/or in section 11.	symptoms and effects are descrit	bed in the labelling (see section
4.3. Indication of any immediate med	ical attention and special treatm	ent needed	
Treat symptomatically.			
SECTION 5: Firefighting measures	\$		
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Car appropriate for surrounding	bon dioxide. Dry powder. Water s fire.	pray. Use extinguishing media
5.2. Special hazards arising from the	substance or mixture		
Fire hazard	: Thermal decomposition ger	nerates: Carbon oxides. Hydroger	n fluoride. Sulfur oxides.
Explosion hazard	: Risk of explosion if heated containers.	under confinement. Use water sp	ray or fog for cooling exposed
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate an	ea. Fight fire remotely due to the	risk of explosion.
Protection during firefighting		protective clothing in combination mation refer to section 8: "Exposu	
SECTION 6: Accidental release me			
6.1. Personal precautions, protective			
General measures	: Evacuate unnecessary personal vapor or spray.	sonnel. Ensure adequate air venti	lation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel			
mergency procedures	: Only qualified personnel ec	uipped with suitable protective ec	quipment may intervene.
5.1.2. For emergency responders	_		
Protective equipment	refer to section 8: "Exposur	on without suitable protective equi e controls/personal protection".	
Emergency procedures	: Gas/vapor heavier than air. level.	May accumulate in confined spa	ces, particularly at or below ground
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6.2. Environmental precautions				
Avoid release to the environment. Notify authorities if product enters sewers or public waters.				
6.3. Methods and material for con	3. 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				
<b>SECTION 7: Handling and stor</b>	age			
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,	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.			
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

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Vapor pressure	: No data available	
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	: 76 °C (@ 0.6 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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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 262.15 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	

SECTION 10: Stability and reactivity				
10.1. Reactivity				
No additional 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				
Keep away 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.				

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			

SECTION 12: Ecological information					
12.1.	Toxicity				
No addit	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 considera	ione	
13.1. Waste treatment methods		
Waste treatment methods Waste disposal recommendations Additional information	<ul> <li>Remove to an authorized incinerator equipped with</li> <li>Dispose of contents/container in accordance with</li> <li>Recycle the material as far as possible.</li> </ul>	-
SECTION 14: Transport informati	on	
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 informa	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 Environmenta xcept for:	Il Protection Agency Toxic
2,3,4,5,6-Pentafluorophenyl methanesulfor	ate CAS No 161912-36-3	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**

2,3,4,5,6-Pentafluorophenyl methanesulfonate (161912-36-3)			
Listed on the Japanese ISHL (Industrial Safety and Health Law)			
Listed on the TCSI (Taiwan Chemical Substance 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

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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	
NFPA 1	given. NFPA fire hazard : 0 - Materials that will not b		prompt medical attention was Irn. Inder fire exposure conditions,	
HMIS I	II Rating			
Health : 2 Moderate Hazard - Ten		: 2 Moderate Hazard - Temp	porary or minor injury may occur	
Flamm	Flammability : 0 Minimal Hazard - Materi		erials that will not burn	
Physica	Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and 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.