

Safety Data Sheet 6764302 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/11/2020 Version: 1.0

1.1. Identification					
Product form	: Substance				
Substance name	: 2,2-Difluoropropyl p-toluenesulfonate				
CAS No	: 1262400-01-0				
Product code	: 6764-3-02				
Formula	C10H12F2O3S				
Synonyms	2,2-Difluoropropyl tosylate				
Other means of identification	: MFCD20489424				
I.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	fety 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 - <u>www.synquestlab</u>					
1.4. Emergency telephone number					
Emergency number	: (844) 523-4086 (3E Company - Account 10069)				
SECTION 2: Hazard(s) identificat	ion				
2.1. Classification of the substance					
Full text of H-phrases: see section 16	bus eye irritation				
Eye Irrit. 2AH319 - Causes serioSTOT SE 3H335 - May cause reAquatic Chronic 4H413 - May cause loFull text of H-phrases: see section 162.2.Label elements	ous eye irritation espiratory irritation				
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Eye Irrit. 2A H319 - Causes serio STOT SE 3 H335 - May cause re Aquatic Chronic 4 H413 - May cause lo Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	espiratory irritation espiratory irritation ong lasting harmful effects to aquatic life :				

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	 P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth 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 				
2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/information	on on in	gredients			
3.1. Substance					
Substance type	: Mono	-constituent			
Name		Product identifier	%	Classification (GHS-US)	
2,2-Difluoropropyl p-toluenesulfonate (Main constituent)		(CAS No) 1262400-01-0	<= 100	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Chronic 4, H413	
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, seel			
 where possible). Move the affected personnel away from the contaminated area. st-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention. 					
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get imr	ediate medical	advice/attention.	
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate 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 immediate medical advice/attention.				
4.2. Most important symptoms and effe					
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 medic	al attentio	n and special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media				spray. Use extinguishing media	
5.2. Special hazards arising from the su	ubstance	or mixture			
Fire hazard	: Therr	nal decomposition generates: Carbon c	xides. Hydroge	n fluoride. Sulfur oxides.	
5.3. Advice for firefighters					
Firefighting instructions	: In case of fire: Evacuate area.				
Protection during firefighting		gas tight chemically protective clothing atus. For further information refer to se			
SECTION 6: Accidental release mea	asures				
6.1. Personal precautions, protective e	quipment	and emergency procedures			
General measures		uate unnecessary personnel. Ensure ac	equate air vent	ilation. Do not breathe dust.	
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6.1.1. For non-emergency personnel Emergency procedures		qualified personnel equipped with suita	la marte et	and an and the second second	

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6.1.2. For emergency resp	ponders
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental prec	autions
Avoid release to the environme	nt. Notify authorities if product enters sewers or public waters.
6.3. Methods and materi	ial for containment and cleaning up
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 s	sections
No additional information availa	able
SECTION 7: Handling a	nd storage
7.1. Precautions for safe	e 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 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. Moisture sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storogo orog	· Store in dry, and well wantilated area

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 a	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 51 - 53 °C
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	: 250.262 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 pro	duct is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions			
No addi	tional information available			
10.4.	Conditions to avoid			
Keep away from heat, sparks and flame.				
10.5.	Incompatible materials			
Strong bases. 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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Oral: Harmful if swallowed.

2,2-Difluoropropyl p-toluenesulfonate (1262400-01-0)		
ATE US (oral)	500.000 mg/kg body weight	
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		

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12.3.	Bioaccumulative potential		
No add	tional information available		
12.4.	Mobility in soil		
	itional information available		
12.5.	Other adverse effects		
	tional information available		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Waste disposal recommendations Additional information 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.

- : Recycle the material as far as possible.
- **SECTION 14: Transport information**

Department of Transportation (DOT)

In accordance with DOT Not regulated for transport

Not regulati

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:

2,2-Difluoropropyl p-toluenesulfonate	CAS No 1262400-01-0	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

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Full tex	t of H-phrases:				
	Acute Tox. 4 (Oral) Aquatic Chronic 4 Eye Irrit. 2A		Acute toxicity (oral) Category 4		
			Hazardous to the aquatic environment - Chronic Hazard Category 4		
			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		
	H302		Harmful if swallowed		
	H315		Causes skin irritation		
	H319		Causes serious eye irritation		
	H335		May cause respiratory irritation		
	H413		May cause long lasting harmful effects to aquatic life		
	ire hazard eactivity	 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. 1 - Must be preheated before ignition can occur. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 			
HMIS II	I Rating				
Health		: 3 Serious Hazard - Majo given	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given		
Flamma	ability	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)			
Physica	Physical : 0 Minimal Hazard - Ma		rials that are normally stable, even under fire conditions, and will NOT ize, 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.