

Safety Data Sheet 21222X1 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 09/22/2020 Version: 1.0

SECTION 1: Identification						
1.1. Identification						
Product form	: Substance					
Substance name	: Cesium trifluoroacetate					
CAS No	: 21907-50-6					
Product code	: 2122-2-X1					
Formula	: C2CsF3O2					
Other means of identification	: MFCD00051304					
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	afety data sheet					
SynQuest Laboratories, Inc.						
P.O. Box 309						
Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097	lüd					
info@synquestlabs.com - www.synquestlab	<u>os.com</u>					
1.4. Emergency telephone number						
Emergency number	: (844) 523-4086 (3E Company - Account 10069)					
SECTION 2: Hazard(s) identificat	tion					
2.1. Classification of the substance	e or mixture					
Classification (GHS-US)						
	-					
Skin Irrit. 2 H315 - Causes skin irritation						
$H_{VA}$ Irrit $V_{A}$ $H_{310}$ $L_{310000}$ corious over	irritation					
Eye Irrit. 2A H319 - Causes serious eye						
STOT SE 3 H335 - May cause respirato	bry irritation					
STOT SE 3 H335 - May cause respirato STOT SE 2 H371 - May cause damage	bry irritation					
STOT SE 3 H335 - May cause respirato STOT SE 2 H371 - May cause damage	bry irritation					
STOT SE 3 H335 - May cause respirato	bry irritation					
STOT SE 3 H335 - May cause respirator STOT SE 2 H371 - May cause damage Full text of H-phrases: see section 16	bry irritation					
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STOT SE 3 H335 - May cause respirato STOT SE 2 H371 - May cause damage Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	<ul> <li>i vorgans</li> <li>i vorgans</li></ul>					
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P405 - Store locked up

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

	PS01 - 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/informat	on on ingredients					
3.1. Substance						
Substance type : Mono-constituent						
Name Product identifier % Classification (GHS-US)						
Cesium trifluoroacetate (Main constituent)	(CAS No) 21907-50-6 <= 100 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT SE 2, H371					
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 case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.					
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artific respiration. Get medical advice/attention.	cial				
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.					
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lens present and easy to do. Continue rinsing. Get medical advice/attention.	es, if				
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.					
4.2. Most important symptoms and eff	cts, both acute and delayed					
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.						
3. Indication of any immediate medical attention and special treatment needed						
Freat symptomatically.						
SECTION 5: Firefighting measures						
5.1. Extinguishing media						
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media	а				
, , , , , , , , , , , , , , , , , , ,	appropriate for surrounding fire.					
5.2. Special hazards arising from the	ubstance or mixture					
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride.					
5.3. Advice for firefighters						
Firefighting instructions	: In case of fire: Evacuate area.					
Protection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".						
SECTION 6: Accidental release me	Isures					
<b>S.1.</b> Personal precautions, protective	quipment and emergency procedures					
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.					
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						
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".						

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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 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 sections					
No additional information available					
SECTION 7: Handling and storage					
7.1. Precautions for safe handling					
Additional hazards when processed	: When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.				
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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.				
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, includi	ng any incompatibilities				
Technical measures	: Comply with applicable regulations.				
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Hygroscopic. Keep contents under inert gas.				
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	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	: 114 - 116 °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

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Explosive properties	: No data available
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	: 245.9209 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	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional 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 av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	acids. 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	: 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. May cause damage to organs.				
Specific target organ toxicity (repeated exposure)	: Not classified				
Aspiration hazard	: Not classified				

SECTION 12: Ecological information				
12.1.	Toxicity			
No addi	tional information available			
12.2.	Persistence and degradability			
No addi	tional information available			

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12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	tional information available			
40.5				
12.5.	Other adverse effects			
No addi	tional information available			

#### **SECTION 13: Disposal considerations**

#### Waste treatment methods 13.1.

## 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

## 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:

Cesium trifluoroacetate CAS No 21907-50-6 100%
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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:					
	Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A			
	Skin Irrit. 2		Skin corrosion/irritation Category 2			
	STOT SE 2		Specific target organ toxicity (single exposure) 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			
	H371		May cause damage to organs			
incapacitation or possib medical attention is giveNFPA fire hazard: 0 - Materials that will noNFPA reactivity: 0 - Normally stable, eve		incapacitation or possible medical attention is given : 0 - Materials that will not I	not burn. even under fire exposure conditions,			
HMIS I	II Rating					
Health : 2 Moderate Hazard - Te		: 2 Moderate Hazard - Ter	Temporary or minor injury may occur			
Flamm	ability	: 0 Minimal Hazard - Mate	rials that will not burn			
			Materials that are normally stable, even under fire conditions, and will NO <sup>*</sup> ymerize, 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.