

Trifluoropyruvamide hydrate Safety Data Sheet 4148322 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/08/2015 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Trifluoropyruvamide hydra	ate	
CAS No	: 1210756-85-6		
Product code	: 4148-3-22		
Formula	: C3H4F3NO3		
	: Trifluoropyruvyl amide, hy	rdrato	
Synonyms		urate	
Other means of identification	: MFCD07784294		
1.2. Relevant identified uses of the s		idvised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substance Scientific research and de		
1.3. Details of the supplier of the saf	ety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Com	pany - Account 10069)	
SECTION 2: Hazard(s) identificati	on		
2.1. Classification of the substance of	or mixture		
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H315 - Causes skin irritat H319 - Causes serious ey	ve irritation	
H335 - May cause respiratory irritationPrecautionary statements (GHS-US):P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P350 - If inhaled: Remove person to fresh air and keep comfortable for breat P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Ref lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P364+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		or breathing es. Remove contact	
	P362+P364 - Take off con P403+P233 - Store in a w P405 - Store locked up	ntaminated clothing and wash it before reuse ell-ventilated place. Keep container tightly closed	

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Not applicable SECTION 3: Composition/information on ingredients Stance Substance type : Mono-constituent Name Product id Trifluoropyruvamide hydrate (Main constituent) (CAS No) 12' Full text of H-phrases: see section 16	0756-85-6 t or if you feel unwell, se love the affected person of resh air and keep comf edical advice/attention. of soap and water. Get m eyes thoroughly with wat to do. Continue rinsing. Co miting. Never give anyth ter. Get medical advice/a elayed of known symptoms and ion 11.	eek medical advice anel away from the fortable for breathir nedical advice/atter ter for at least 15 m Get medical advice ning by mouth to an attention.	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 immediately (show the label contaminated area. ng. If not breathing, give artificial ntion. ninutes. Remove contact lenses, i /attention. n unconscious person. Rinse
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Suitable extinguishing media : Alcohol resistant f appropriate for su 5.2. Special hazards arising from the substance or mixture			
		y powder. Water sp	pray. Use extinguishing media
ire hazard : Thermal decompo			
	sition generates: Carbon	ו oxides. Hydrogen	fluoride. Nitrogen oxides.
5.3. Advice for firefighters			
Firefighting instructions : In case of fire: Eva	icuate area.		
			with self contained breathing re controls/personal protection".
SECTION 6: Accidental release measures			
5.1. Personal precautions, protective equipment and emerge	ncy procedures		
General measures : Evacuate unneces	sary personnel. Ensure	adequate air ventil	ation. Do not breathe dust.
5.1.1. For non-emergency personnel			
Emergency procedures : Only qualified per	sonnel equipped with suit		
5.1.2. For emergency responders		itable protective eq	upment may intervene.
		itable protective eq	upment may intervene.
5.2. Environmental precautions	take action without suitat Exposure controls/perso	ble protective equip	uipment may intervene.

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3.	Methods and material for containment and cleaning up				
For co	ntainment	: Stop leak if safe to do so.			
Metho	Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.				
Other	Other information : For disposal of solid materials or residues refer to section 13 : "Disposal considerations".				
6.4.	6.4. Reference to other sections				
No add	No additional information available				
SEC	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 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, include	ng 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

Control parameters 8.1.

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	: 118 - 119 °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
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	: 159.06 g/mol

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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				
0.1. Reactivity				
No additional information available				
10.2. Chemical stability				
The product is stable at normal handling and sto	prage conditions.			
10.3. Possibility of hazardous reactions				
No additional information available				
10.4. Conditions to avoid				
No additional information available				
10.5. Incompatible materials				
Strong acids. Strong bases. Strong oxidizing age	ents. Strong reducing agents.			
10.6. Hazardous decomposition products				
Under normal conditions of storage and use, haz fire, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case of			
SECTION 11: Toxicological informat	ion			
11.1. Information on toxicological effects				
The information on toxicological effects				
The information on toxicological effects				
Acute toxicity	: Not classified			
Acute toxicity	: Not classified			
Acute toxicity Skin corrosion/irritation	: Not classified : Causes skin irritation.			
Acute toxicity Skin corrosion/irritation Serious eye damage/irritation	 Not classified Causes skin irritation. Causes serious eye irritation. 			
Acute toxicity Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	 Not classified Causes skin irritation. Causes serious eye irritation. Not classified 			
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Acute toxicity Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity	 Not classified Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified Not classified Not classified 			

SECT	ION 12: Ecological informatio	n		
12.1.	Toxicity			
No addi	tional information available			
12.2.	Persistence and degradability			
No addi	tional information available			
12.3.	Bioaccumulative potential			
No addi	tional information available			
12.4.	Mobility in soil			
No addi	tional information available			
12.5.	Other adverse effects			
No addi	tional information available			
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SECTION 13: Disposal consideration	IS
13.1. Waste treatment methods	
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: 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 exc	luded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) inventory except for:			
Trifluoropyruvamide hydrate	CAS No 1210756-85-6	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	: 0 - Materials that will not burn.
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	: 0 Minimal Hazard - Materials that will not burn
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.