

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations SDS ID: 281530H Issue date: 10.01.2024 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Substance name CAS-No. Product code Formula Other means of identification	 Substance 2-Fluoro-4-methyl-5-(trifluoromethyl)benzaldehyde 669080-88-0 2815-3-0H C9H6F4O MFCD27927223
1.2. Recommended use and restrictions or) use
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Supplier	
SynQuest Laboratories, Inc. Inc. P.O. Box 309 Alachua, FL, Alachua, 32615 United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com	
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 mix	ture
GHS US classification Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Specific target organ toxicity – Single exposure, Ca Respiratory tract irritation Full text of H statements : see section 16	H315 Causes skin irritation H319 Causes serious eye irritation tegory 3, H335 May cause respiratory irritation
2.2. GHS Label elements, including precau	itionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Warning H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS US)	 P261 - Avoid breathing fumes, mist, spray, vapors. P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of soap and water
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact 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.
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 which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	GHS US classification
2-Fluoro-4-methyl-5-(trifluoromethyl)benzaldehyde (Main constituent)	CAS-No.: 669080-88- 0		Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

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 artificial respiration. Get medical advice/attention.	
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 lenses, if present and easy to do. Continue rinsing. Get 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 medical advice/attention.	
4.2. Most important symptoms and effects	(acute and delayed)	
Symptoms/effects	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.	

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4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.		
5.2. Specific hazards arising from the	e chemical		
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride.		
5.3. Special protective equipment and	d precautions for fire-fighters		
Firefighting instructions Protection during firefighting	 In case of fire: Evacuate area. 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 measures		
6.1. Personal precautions, protective	equipment and emergency procedures	
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust. Do not breathe gas, fumes, vapor or spray.	
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".	
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	tainment and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Minimize generation of dust. 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".

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 dust, fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.

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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 Storage conditions Incompatible materials Storage area	 Comply with applicable regulations. Keep container closed when not in use. Air sensitive. Keep contents under inert gas. Refer to Section 10 on Incompatible Materials. Store in dry, cool, well-ventilated area. 	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Fluoro-4-methyl-5-(trifluoromethyl)benzaldehyde (669080-88-0)

No additional information available

8.2. Appropriate engineering 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.

8.3. Individual protection measures/Personal protective equipment

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

Personal protective equipment symbol(s):



Other information:

Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemical properties		
9.1. Information on basic ph	ysical and chemical properties	
Physical state	: Liquid	
Appearance	: Low melting solid.	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pН	: No data available	

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Melting point	: No data available
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
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Molecular mass	: 206,14 g/mol
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: 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.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation	 Not classified Not classified Not classified Causes skin irritation. Causes serious eye irritation. 	

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Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations	
13.1. Disposal methods	
Waste treatment methods Product/Packaging 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				
14.1. UN number				
DOT NA No UN-No. (TDG) UN-No. (IMDG) UN-No. (IATA)	Not applicableNot applicableNot applicableNot applicable			
14.2. UN proper shipping name				
Proper Shipping Name (DOT) Proper Shipping Name (TDG) Proper Shipping Name (IMDG) Proper Shipping Name (IATA)	 Not applicable Not applicable Not applicable Not applicable 			

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14.3. Transport hazard class(es)				
DOT Transport hazard class(es) (DOT) :	Not applicable			
TDG Transport hazard class(es) (TDG) :	Not applicable			
IMDG Transport hazard class(es) (IMDG) :	Not applicable			
IATA Transport hazard class(es) (IATA) :	Not applicable			
14.4. Packing group				
Packing group (DOT):Packing group (TDG):Packing group (IMDG):Packing group (IATA):	Not applicable Not applicable Not applicable Not applicable			
14.5. Environmental hazards				
Other information :	No supplementary information available	e.		
14.6. Special precautions for user				
DOT Not applicable				
TDG Not applicable				
IMDG Not applicable				
IATA Not applicable				
14.7. Transport in bulk according to Annex II	of MARPOL 73/78 and the IBC Co	de		
Not applicable				
SECTION 15: Regulatory information				
15.1. US Federal regulations				
All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:				
2-Fluoro-4-methyl-5-(trifluoromethyl)benzaldehyde	CAS-No. 669080-88-0	100%		
15.2. International regulations				
CANADA				
No additional information available				
EU-Regulations				
No additional information available				
National regulations				
No additional information available				

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15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Full text of H-phrases				
H315	Causes skin irritation			
H319	Causes serious eye irritation			
H335	May cause respiratory irritation			
NFPA health ha		3 - Materials that, under emergency conditions, can cause serious or bermanent injury.		
NFPA fire haza		1 - Materials that must be preheated before ignition can occur.		
NFPA reactivity	•	0 - Material that in themselves are normally stable, even under fire conditions.		
Hazard Rating				
Health	: 2	2 Moderate Hazard - Temporary or minor injury may occur		
Flammability	: 1 s	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)		
Physical		D 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.		

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