

Safety Data Sheet 4H217X5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/11/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2-Chloro-5-fluoronicotinic acid
CAS No	: 38186-88-8
Product code	: 4H21-7-X5
Formula	: C6H3CIFNO2
Synonyms	: 2-Chloro-5-fluoropyridine-3-carboxylic acid
Other means of identification	: MFCD03092932
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 info@synquestlabs.com - www.synquestlab 1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (GHS-US)	GHS07
Hazard statements (GHS-US)	: Warning
	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	H319 - Causes serious eye irritation

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

2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information of	n ingredients			
3.1. Substance				
Substance type :	Mono-constituent			
Name	Product identifier		%	Classification (GHS-US)
2-Chloro-5-fluoronicotinic acid (Main constituent)	(CAS No) 38186-88-8		<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16		I	I	
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general :	n case of accident or if you fee where possible). Move the affec			
First-aid measures after inhalation :	Remove person to fresh air and respiration. Get medical advice		ble for breathing	g. If not breathing, give artificial
First-aid measures after skin contact :	Nash with plenty of soap and w	ater. Get medic	al advice/attent	tion.
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 :	 Stion 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, both acute and delayed				
Symptoms/injuries :	The most important known sym 2.2) and/or in section 11.	ptoms and effec	ts are describe	d in the labelling (see section
4.3. Indication of any immediate medical at	ention and special treatment	needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
	Alcohol resistant foam. Carbon appropriate for surrounding fire		wder. Water spr	ray. Use extinguishing media
5.2. Special hazards arising from the subst	nce or mixture			
Fire hazard :	Thermal decomposition genera Nitrogen oxides.	es: Carbon oxid	les. Hydrogen o	chloride. Hydrogen fluoride.
5.3. Advice for firefighters				
5 5 5	n case of fire: Evacuate area.			
Protection during firefighting :	Near gas tight chemically prote apparatus. For further informati			
SECTION 6: Accidental release measure	es			
6.1. Personal precautions, protective equip		res		
General measures :	Evacuate unnecessary personr	el. Ensure adeq	juate air ventila	tion. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures :	Only qualified personnel equipp	ed with suitable	protective equi	ipment may intervene.
6.1.2. For emergency responders				
Protective equipment :	Do not attempt to take action w refer to section 8: "Exposure co			ment. For further information
6.2. Environmental precautions				

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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for contai	nment 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	e
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, inc	luding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. 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 chemical properties

3.1. Information on pasic physical and	i chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 141 - 142 °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	: 175.55 g/mol
12/08/2016	EN (English US)

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

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 reac	tivity		
10.1. Reactivity			
No additional information available			
10.2. Chemical stability	0.2. Chemical stability		
The product is stable at normal handling a	and storage conditions.		
10.3. Possibility of hazardous react	tions		
No additional 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 info	ormation		
11.1. Information on toxicological e			
Acute toxicity	: Not classified		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/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
Specific target organ toxicity (single exposure)	: May cause respiratory

Specific target organ toxicity (repeated : Not classified exposure)

Aspiration hazard

: Not classified

OFOT				
SECT	ON 12: Ecological information			
12.1.	Toxicity			
No addit	ional information available			
12.2.	Persistence and degradability			
No addit	ional information available			
12.3.	Bioaccumulative potential			
No addi	ional information available			
12.4.	Mobility in soil			
No addit	ional information available			
12.5.	Other adverse effects			
No addit	No additional information available			
12/08/20	16	EN (English US)	SDS ID: 4H217X5	4/6

irritation.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal consideration	ne	
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 TDG No additional information available		
Transport by sea No additional information available		
Air transport No additional information available		
SECTION 15: Regulatory information	n	
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:		

instances control Act (13CA) inventory exception.		
Chloro-5-fluoronicotinic acid	CAS No 38186-88-8	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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.