

Safety Data Sheet 4H15707 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/27/2018 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 5-Chloro-6-fluoro-1H-1,3-benzodiazol	a 2 aarhaldahuda	
	,	e-z-carbaidenyde	
CAS No	: 1263378-80-8		
Product code	: 4H15-7-07		
Formula	: C8H4CIFN2O		
Synonyms	: 5-Chloro-6-fluoro-1H-benzoimidazole-	-2-carbaldehyde	
Other means of identification	: MFCD18432481		
1.2. Relevant identified uses of the subs	tance or mixture and uses advised aga	inst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development		
1.3. Details of the supplier of the safety	data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097			
info@synquestlabs.com - www.synquestlabs.com	<u>n</u>		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Accou	unt 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	lixture		
Classification (CHS LIS)			
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irritat	tion		
STOT SE 3 H335 - May cause respiratory irri			
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling Hazard pictograms (GHS-US)			
Tiazaru pictograms (GHS-03)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	 H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritatior 	1	
Precautionary statements (GHS-US)	 P261 - Avoid breathing dust, mist, spr P264 - Wash skin thoroughly after har P271 - Use only outdoors or in a well- P280 - Wear protective gloves/protect P302+P352 - If on skin: Wash with ple P304+P340 - If inhaled: Remove pers P305+P351+P338 - If in eyes: Rinse of lenses, if present and easy to do. Con P312 - Call a POISON CENTER or do 	ay ndling ventilated area tive clothing/eye protection/face protection enty of soap and water on to fresh air and keep comfortable for breathing cautiously with water for several minutes. Remove contact tinue rinsing octor/physician if you feel unwell mental first aid instructions on this label) Get medical advice/attention Get medical advice/attention clothing and wash it before reuse	ct

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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					
	on ingradianta				
SECTION 3: Composition/information	on ingredients				
3.1. Substance	Mana anatiku ant				
Substance type : Mono-constituent					
Name					
5-Chloro-6-fluoro-1H-1,3-benzodiazole-2-carbaldehyde (Main constituent)	(CAS No) 1263378-80-8 <= 100 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335				
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 where possible). Move the affected personnel				
First-aid measures after inhalation :	Remove person to fresh air and keep comfort respiration. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial		
First-aid measures after skin contact :	Wash with plenty of soap and water. Get med	ical advice/atter	ntion.		
First-aid measures after eye contact :	Immediately flush eyes thoroughly with water present and easy to do. Continue rinsing. Get				
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,	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.				
4.3. Indication of any immediate medical at	tention and special treatment needed				
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.			oray. Use extinguishing media		
5.2. Special hazards arising from the subst	ance or mixture				
Fire hazard :	: Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides.				
5.3. Advice for firefighters					
	In case of fire: Evacuate area.				
Protection during firefighting :					
SECTION 6: Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
General measures :	Evacuate unnecessary personnel. Ensure add	equate air ventila	ation. Do not breathe dust.		
6.1.1. For non-emergency personnel					
0 71	: Only qualified personnel equipped with suitable protective equipment may intervene.				
6.1.2. For emergency responders	Device the transition of the first state of the state of		week Exclusion (
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	Environmental precautions			
Avoid release to the environment. Notify authorities if product enters sewers or public waters.				
6.3. Methods and material for containme	ent 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				
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	ng any incompatibilities			
Technical measures	: Comply with applicable regulations.			
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Air sensitive. 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 an	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
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
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 198.582 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

10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e 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.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 42: Dispassi consideratio	20		
SECTION 13: Disposal consideratio	ons		
Waste treatment methods Waste disposal recommendations Additional information	: Dispose of contents		with an afterburner and a flue gas scrubber. th licensed collector's sorting instructions.
SECTION 14: Transport information	1		
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 informatio 15.1. US Federal regulations	n		
All components of this product are listed, or ex Substances Control Act (TSCA) inventory exc		on the United States Environmer	ntal Protection Agency Toxic
5-Chloro-6-fluoro-1H-1,3-benzodiazole-2-carb	aldehyde	CAS No 1263378-80-8	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

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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.