

Safety Data Sheet 3H375Z4 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/26/2018 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 2,5-Dichloro-4,6-dimethylnicotinonitr	le	
CAS No	: 91591-63-8		
Product code	: 3H37-5-Z4		
Formula	: C8H6Cl2N2		
Synonyms	: 2,5-Dichloro-4,6-dimethylpyridine-3-	carbonitrile	
Other means of identification	: MFCD00052631		
1.2. Relevant identified uses of the subs	ance or mixture and uses advised ag	ainst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development		
1.3. Details of the supplier of the safety of	lata 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>)</u>		
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Acco	punt 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	ixture		
Classification (GHS-US)			
Skin Irrit. 2H315 - Causes skin irritatiEye Irrit. 2AH319 - Causes serious eySTOT SE 3H335 - May cause respiraFull text of H-phrases: see section 16	e irritation		
2.2. Label elements			
GHS-US labeling			
GHS-US labeling Hazard pictograms (GHS-US)	GHS07		
•	: GHS07 : Warning		
Hazard pictograms (GHS-US)	<ul> <li>GHS07</li> <li>GHS07</li> <li>Warning</li> <li>H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation</li> </ul>	n	
Hazard pictograms (GHS-US) Signal word (GHS-US)	<ul> <li>Warning</li> <li>H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritatio</li> <li>P261 - Avoid breathing dust, mist, sp P264 - Wash skin thoroughly after ha P270 - Do not eat, drink or smoke wi P271 - Use only outdoors or in a wel P280 - Wear protective gloves/protect P301+P312 - If swallowed: Call a PC P302+P352 - If on skin: Wash with p P304+P340 - If inhaled: Remove per P305+P351+P338 - If in eyes: Rinse lenses, if present and easy to do. Co P312 - Call a POISON CENTER or of</li> </ul>	andling hen using this product I-ventilated area stive clothing/eye protection/face protection DISON CENTER or doctor/ physician if you feel un lenty of soap and water son to fresh air and keep comfortable for breathin cautiously with water for several minutes. Remov ntinue rinsing loctor/physician if you feel unwell emental first aid instructions on this label)	g

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		P362 P403 P405	<ul> <li>Y+P313 - If eye irritation persists: Ge</li> <li>P+P364 - Take off contaminated cloth</li> <li>P+P233 - Store in a well-ventilated pl</li> <li>5 - Store locked up</li> <li>- Dispose of contents/container to a</li> </ul>	ning and wash it b ace. Keep contair	before reuse her tightly closed
2.3.	Other hazards				
lo add	itional information available				
.4.	Unknown acute toxicity (GHS US)				
Not app	licable				
SECT	ION 3: Composition/information	on ir	gredients		
8.1.	Substance		<u> </u>		
	nce type	: Mon	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
	: hloro-4,6-dimethylnicotinonitrile		(CAS No) 91591-63-8	<b>76</b>	Acute Tox. 4 (Oral), H302
(Main co	onstituent)				Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
	t of H-phrases: see section 16				
.2.	Mixture				
	blicable				
SECT	ION 4: First aid measures				
.1.	Description of first aid measures				
irst-aid	d measures general		se of accident or if you feel unwell, s e possible). Move the affected perso		
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificiar respiration. Get immediate medical advice/attention.			thing. If not breathing, give artificial		
First-aid measures after skin contact :			Wash with plenty of soap and water. Get immediate medical advice/attention.		
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact le present and easy to do. Continue rinsing. Get immediate 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 immediate medical advice/attention.					
.2.	Most important symptoms and effect	s, both	acute and delayed		
Sympto	ms/injuries		most important known symptoms and and/or in section 11.	d effects are desc	ribed in the labelling (see section
.3.	Indication of any immediate medical	attentio	on and special treatment needed		
reat s	mptomatically.				
-	ION 5: Firefighting measures				
.1.	Extinguishing media				
	e extinguishing media		nol resistant foam. Carbon dioxide. E opriate for surrounding fire.	ory powder. Water	r spray. Use extinguishing media
.2.	Special hazards arising from the sub	stance	or mixture		
ire haz	· · · · ·		mal decomposition generates: Carbo	on oxides. Hvdrog	en chloride. Nitrogen oxides.
.3. irofiab	Advice for firefighters	. In a-	an of fire: Evenueta area		
-	ting instructions on during firefighting	: Wea	se of fire: Evacuate area. r gas tight chemically protective cloth ratus. For further information refer to		
SECT	ION 6: Accidental release meas	ures			
6.1. Personal precautions, protective equipment and emergency procedures					
Genera	Imeasures	: Evac	uate unnecessary personnel. Ensure	e adequate air ver	ntilation. Do not breathe dust.
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6.1.2.	For emergency responders		
Protective	e 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 rele	ease to the environment. Notify autho	orities	if product enters sewers or public waters.
6.3.	Methods and material for contain	nent	and cleaning up
For conta	inment	:	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 info	ormation	:	For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections		
No additio	onal information available		
SECTIO	ON 7: Handling and storage		
7.1.	Precautions for safe handling		
Precautio	ns 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 r	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, inclue	ding	any incompatibilities
Technical	Imeasures	:	Comply with applicable regulations.
Storage c	conditions	:	Keep container closed when not in use.
Incompati	ible materials	:	Refer to Section 10 on Incompatible Materials.
Storage a	area		Store in dry cool well-ventilated area

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 and	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	: 78 - 80 °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

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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	: 201.053 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	ON 10: Stability and reactivity
10.1.	Reactivity
No addit	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	vay from heat, sparks and flame.
10.5.	Incompatible materials
Strong o	oxidizing agents.
10.6.	Hazardous decomposition products
Under n	ormal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

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: Toxice	ological inf	ormation

11.1. Information on toxicological effects

Acute toxicity	: Oral: Harmful if swallowed.
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

SECT	SECTION 12: Ecological information					
12.1.	Toxicity					
No add	litional information available					
12.2.	Persistence and degradability					
No add	litional information available					
12.3.	Bioaccumulative potential					
No add	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

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 info	rmation
Department of Transportation (DOT	Γ)
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	
	ormation
SECTION 15: Regulatory info	ormation
SECTION 15: Regulatory info 15.1. US Federal regulations All components of this product are list	sted, or excluded from listing, on the United States Environmental Protection Agency Toxic
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SECTION 15: Regulatory info 15.1. US Federal regulations All components of this product are lis Substances Control Act (TSCA) inve 2,5-Dichloro-4,6-dimethylnicotinonitr	isted, or excluded from listing, on the United States Environmental Protection Agency Toxic entory except for: rile CAS No 91591-63-8 100%
Substances Control Act (TSCA) inve 2,5-Dichloro-4,6-dimethylnicotinonitr This product or mixture does not cor	sted, or excluded from listing, on the United States Environmental Protection Agency Toxic entory except for:
SECTION 15: Regulatory info 15.1. US Federal regulations All components of this product are lis Substances Control Act (TSCA) inve 2,5-Dichloro-4,6-dimethylnicotinonitr This product or mixture does not cor CFR §372.38(a) subject to the repor and 40 CFR Part 372.	isted, or excluded from listing, on the United States Environmental Protection Agency Toxic entory except for: rile CAS No 91591-63-8 100% ntain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40
SECTION 15: Regulatory info 15.1. US Federal regulations All components of this product are lis Substances Control Act (TSCA) inve 2,5-Dichloro-4,6-dimethylnicotinonitr This product or mixture does not cor CFR §372.38(a) subject to the repor and 40 CFR Part 372. 15.2. International regulations CANADA	isted, or excluded from listing, on the United States Environmental Protection Agency Toxic entory except for: rile CAS No 91591-63-8 100% ntain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40
SECTION 15: Regulatory info 15.1. US Federal regulations All components of this product are lis Substances Control Act (TSCA) inve 2,5-Dichloro-4,6-dimethylnicotinonitr This product or mixture does not cor CFR §372.38(a) subject to the repor	isted, or excluded from listing, on the United States Environmental Protection Agency Toxic entory except for: rile CAS No 91591-63-8 100% ntain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40

### 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 text of	of H-phrases:	
ŀ	Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
E	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
ę	Skin Irrit. 2	Skin corrosion/irritation Category 2
S	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H	H302	Harmful if swallowed
H	H315	Causes skin irritation
H	H319	Causes serious eye irritation
ŀ	H335	May cause respiratory irritation
<ul> <li>NFPA health hazard</li> <li>2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.</li> <li>NFPA fire hazard</li> <li>1 - Must be preheated before ignition can occur.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>		capacitation or possible residual injury unless prompt edical attention is given. Must be preheated before ignition can occur. Normally stable, even under fire exposure conditions,
HMIS III I	Rating	
Health		Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is iven
Flammab		Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, olids and semi solids having a flash point above 200 F. (Class IIIB)
Physical		Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT eact 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.