

Safety Data Sheet 3H371Z3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/09/2017 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 3-Cyano-1,2,4-triazole			
CAS No	: 3641-10-9			
Product code	: 3H37-1-Z3			
Formula	: C3H2N4			
Synonyms	: 3-Cyano-1H-1,2,4-triazole			
Other means of identification	: MFCD03428509			
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	fety data sheet			
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri 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)			
SECTION 2: Hazard(s) identificat	ion			
2.1. Classification of the substance				
Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - Causes seric STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16	irritation bus eye irritation			
2.2. Label elements				
GHS-US labeling Hazard pictograms (GHS-US)	: GHS07			
Signal word (GHS-US)	: Warning			
Hazard statements (GHS-US)	: H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation			
Precautionary statements (GHS-US)	: P261 - Avoid breathing dust, mist, spray			

P264 - Wash skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area

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

lenses, if present and easy to do. Continue rinsing

P330 - Rinse mouth

EN (English US)

P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell 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

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P337+P313 - If eye irritation persists: 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

No additional information available

Unknown acute toxicity (GHS US) 2.4.

Not applicable

SECTION 3: Composition/informa	tion on in	gredients			
3.1. Substance					
Substance type	: Mono	o-constituent			
Name		Product identifier	%	Classification (GHS-US)	
3-Cyano-1,2,4-triazole (Main constituent)		(CAS No) 3641-10-9	<= 100	Acute Tox. 4 (Oral), H302 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	where	se of accident or if you feel unwell, seek e possible). Move the affected personnel	away from the	contaminated area.	
First-aid measures after inhalation		ove person to fresh air and keep comfort ration. Get immediate medical advice/att		ng. If not breathing, give artificial	
First-aid measures after skin contact		n with plenty of soap and water. Get imm			
First-aid measures after eye contact		ediately flush eyes thoroughly with water ent 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 immediate medical advice/attention.			
4.2. Most important symptoms and e	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 med	ical attentio	n and special treatment needed			
Treat symptomatically.					
SECTION 5: Firefighting measures	\$				
5.1. Extinguishing media					
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media	
5.2. Special hazards arising from the	substance	or mixture			
Fire hazard	: Ther	nal decomposition generates: Carbon o	des. Nitrogen d	oxides.	
5.3. Advice for firefighters					
Firefighting instructions	: In ca	se of fire: Evacuate area.			
Protection during firefighting					
SECTION 6: Accidental release me	easures				
6.1. Personal precautions, protective		and emergency procedures			
General measures	: Evac	uate unnecessary personnel. Ensure ad	equate air ventila	ation. Do not breathe dust.	
6.1.1. For non-emergency personnel					
mergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.					

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Protective equipment

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6.1.2. For emergency responders

: 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	Methods and material for containment 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 stora	ge				
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.				
7.0 Conditions for onfo stores i					

	smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, includi	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 temperature	: 2 - 8 °C Use explosion proof refrigerator		
Storage area	: Store in dry, 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

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Explosion limits	: No data available		
Flammability (solid, gas)	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flash point	: No data available		
Boiling point	: No data available		
Freezing point	: No data available		
Melting point	: 187 - 190 °C		
DH	: No data available		
Ddor threshold	: No data available		
Ddor	: No data available		
Color	: No data available		
Physical state	: Solid		
0.1. Information on basic physical a	nd chemical properties		

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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	: 94.07 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		
SECTION 10: Stability and read	tivity	
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
The product is stable at normal handling	and storage conditions.	
.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 acids. Strong bases. Strong oxidizing agents. Strong reducing 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

Information on toxicological effects 11.1.

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

SECTIO	DN 12: Ecological information
12.1.	Toxicity
No additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available

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12.3.	Bioaccumulative potential				
No additional information available					
12.4.	Mobility in soil				
No additional information available					
110 000					
12.5.	Other adverse effects				
No addi	No additional information available				

SECTION 13: Disposal considerations	5
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 excluded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) inventory except for: CAS No 3641-10-9 100% 3-Cyano-1,2,4-triazole 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

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Full tex	t of H-phrases:		
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	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
	H302		Harmful if swallowed
	H315		Causes skin irritation
	H319		Causes serious eye irritation
	H335		May cause respiratory irritation
NFPA	nealth hazard ïre hazard reactivity	 ard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 0 - Materials that will not burn. : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 	
HMIS I	II Rating		
Health		: 3 Serious Hazard - Maj given	or injury likely unless prompt action is taken and medical treatment is
Flamm	ability	: 0 Minimal Hazard - Mate	rials that will not burn
Physica	al		erials that are normally stable, even under fire conditions, and will NOT rize, 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.