

Safety Data Sheet 3H371U6 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 05/31/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 6-PhenyInicotinonitrile		
CAS No	: 39065-54-8		
Product code	: 3H37-1-U6		
Formula	: C12H8N2		
Synonyms	: 6-Phenylpyridine-3-carbonitrile; 3-0	Syano-6-phenylpyridine	
Other means of identification	: MFCD06637420		
1.2. Relevant identified uses of the substa	ance or mixture and uses advised a	gainst	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and developme	nt	
1.3. Details of the supplier of the safety da	ata 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			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Company - Ac	count 10069)	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or mix	vturo		
	xture		
Classification (GHS-US) Acute Tox. 3 (Oral) H301 - Toxic if swallo			
Acute Tox. 4 (Dermal)H312 - Harmful in corAcute Tox. 4 (Inhalation)H332 - Harmful if inhaSkin Irrit. 2H315 - Causes skin inEye Irrit. 2AH319 - Causes seriouSTOT SE 3H335 - May cause resFull text of H-phrases: see section 16	aled rritation us eye irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	: GHS06 GHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H301 - Toxic if swallowed H312+H332 - Harmful in contact v H315 - Causes skin irritation H319 - Causes serious eye irritatio H335 - May cause respiratory irrita	n	
Precautionary statements (GHS-US)	P301+P310 - If swallowed: Immed P302+P352 - If on skin: Wash with P304+P340 - If inhaled: Remove p P305+P351+P338 - If in eyes: Rin lenses, if present and easy to do. (handling when using this product ell-ventilated area ective clothing/eye protection/face protection ately call a poison center/doctor/ plenty of soap and water erson to fresh air and keep comfortable for brea se cautiously with water for several minutes. Rer continue rinsing	
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	 P321 - Specific treatment (see supp P330 - Rinse mouth P332+P313 - If skin irritation occurs: P337+P313 - If eye irritation persists P362+P364 - Take off contaminated P403+P233 - Store in a well-ventilat P405 - Store locked up P501 - Dispose of contents/contained 	Get medical advice/at Get medical advice/at clothing and wash it b ed place. Keep contain	tention ttention efore reuse er tightly closed
2.3. Other hazards			
No additional information available	2)		
2.4. Unknown acute toxicity (GHS US Not applicable	5)		
SECTION 3: Composition/informa	ation on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
6-PhenyInicotinonitrile (Main constituent)	(CAS No) 39065-54-8	<= 100	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 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			
I.1. Description of first aid measure		ull a salu na shina Lashuir	
First-aid measures general First-aid measures after inhalation	 In case of accident or if you feel unw where possible). Move the affected p Remove person to fresh air and kee 	personnel away from th	e contaminated area.
First-aid measures after skin contact	 respiration. Get immediate medical a Wash with plenty of soap and water. 	advice/attention.	
First-aid measures after eye contact	 Immediately flush eyes thoroughly w present and easy to do. Continue rir 	vith water for at least 15	minutes. Remove contact lenses, if
First-aid measures after ingestion	: Do NOT induce vomiting. Never give mouth out with water. Get immediate		
4.2. Most important symptoms and e	effects, both acute and delayed		
Symptoms/injuries	: The most important known symptom 2.2) and/or in section 11.	is and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate me	dical attention and special treatment need	led	
Freat symptomatically.			
SECTION 5: Firefighting measure	98		
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxi appropriate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	e substance or mixture		
Fire hazard	: Thermal decomposition generates: 0	Carbon oxides. Nitroge	n oxides.
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate area.		
Protection during firefighting	: Wear gas tight chemically protective apparatus. For further information re		
SECTION 6: Accidental release m			
6.1. Personal precautions, protective	e equipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. E	and the second s	deden Denert de tra

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6.1.1. Emerge	For non-emergency personnel ency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. Protecti	For emergency responders ive 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	
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Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. 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 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, includin	g 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 a	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	: 88 - 90 °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

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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	: 180.21 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 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 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
11.1. Information on toxicological effects

Acute toxicity	: Oral: Toxic if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.
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 additio	onal information available

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12.2.	Persistence and degradability
No addit	tional information available
12.3.	Bioaccumulative potential
No addit	tional information available
12.4.	Mobility in soil
No addit	tional information available
12.5.	Other adverse effects
No addit	tional information available

SECTION 13: Disposal consideration	S		
13.1. Waste treatment methods			
Waste treatment methods	· Remove to an authorized incir	erator equipped with an afterburner and a flue gas	scrubber.
Waste disposal recommendations		in accordance with licensed collector's sorting instru	
Additional information	: Recycle the material as far as	C C	
SECTION 14: Transport information			
Department of Transportation (DOT)			
In accordance with DOT			
Transport document description	: UN3439 Nitriles, solid, toxic, n	08 61 11	
mansport document description	. 0103439 14(1)es, solid, toxic, 1	0.3., 0.1, 11	
UN-No.(DOT)	: UN3439		
Proper Shipping Name (DOT)	: Nitriles, solid, toxic, n.o.s.		
Transport hazard class(es) (DOT)	: 6.1 - Class 6.1 - Poisonous m	terials 49 CFR 173.132	
Hazard labels (DOT)	: 6.1 - Poison		
	6		
Packing group (DOT)	: III - Minor Danger		
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213		
DOT Packaging Bulk (49 CFR 173.xxx)	: 240		
DOT Symbols	: G - Identifies PSN requiring a	echnical name	
DOT Special Provisions (49 CFR 172.102)	plastics (11H1, 11H2, 21H1, 2 21HZ2, 31HZ1 and 31HZ2); F 13H2, 13H3, 13H4, 13H5, 13L IP3 - Flexible IBCs must be si water-resistant liner. T1 - 1.5 178.274(d)(2) Normal TP33 - The portable tank instr powdered solids and for solids melting point which are cooled or offered for transport above tanks conforming to the provis packing group III or T7 for soli stringent requirements for min pressure-relief devices or bott instruction and special provisio tank special provision TP3. So	11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); 1H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, berboard (11G); Wooden (11C, 11D and 11F); Flex 1, 13L2, 13L3, 13L4, 13M1 or 13M2). -proof and water-resistant or must be fitted with a s 	21HZ1, sible (13H1, sift-proof and lar and ove their transported in portable ices of omore pressure, ngent tank with portable re material
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153		-
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)			
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L		
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DOT Vessel Stowage Location	: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 3439
Proper Shipping Name (IMDG)	: NITRILES, SOLID, TOXIC, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 3439
Proper Shipping Name (IATA)	: Nitriles, toxic, solid, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger

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:			
6-Phenylnicotinonitrile	CAS No 39065-54-8	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

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xt of H-phrases:	
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) 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
H301	Toxic if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

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	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given	
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	

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.

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.