

Safety Data Sheet 3H37700

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/28/2018 Version: 1.0

SECTION 1: Identification		
1.1. Identification		
Product form	: Substance	
Substance name	: 2-Chloro-6-methyl-4-(trifluoromethyl)nicotinonitrile	
CAS No	: 13600-48-1	
Product code	: 3H37-7-00	
Formula	: C8H4CIF3N2	
Synonyms	: 2-Chloro-6-methyl-4-(trifluoromethyl)pyridine-3-carbonitrile; 2-Chloro-3-cyano-6-methyl-4-	
	(trifluoromethyl)pyridine	
Other means of identification	: MFCD10568352	
1.2. Relevant identified uses of the substa	ance 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 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 - www.synquestlabs.com		
1.4. Emergency telephone number		
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
SECTION 2: Hazard(s) identification		
2.1. Classification of the substance or mix	xture	
Classification (GHS-US)		
Acute Tox. 4 (Oral)H302 - Harmful if swallowedAcute Tox. 4 (Dermal)H312 - Harmful in contact with skinAcute Tox. 4 (Inhalation)H332 - Harmful if inhaledSkin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritationSTOT SE 3H335 - May cause respiratory irritationFull text of H-phrases: see section 16		
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2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)	: GHS07	
Signal word (GHS-US)	: Warning	
Hazard statements (GHS-US)	 H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation 	
Precautionary statements (GHS-US)	 P261 - Avoid breathing fumes, mist, spray, vapors 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 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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	lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth P332+P313 - If skin irritation occurs: Get medical advice/attention 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 2.4. Unknown acute toxicity (GHS US)			
Not applicable			
SECTION 3: Composition/information of	on ingredients		
3.1. Substance			
	Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
2-Chloro-6-methyl-4-(trifluoromethyl)nicotinonitrile (Main constituent)	(CAS No) 13600-48-1	<= 100	Acute Tox. 4 (Oral), H302 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	<u></u>		·
.2. Mixture			
lot applicable			
ECTION 4: First aid measures			
.1. Description of first aid measures	la seconda et a sident en if unu facture unull secolor	e elice l'e el vie e i	men ediatalı. (ak evu the lak al
irst-aid measures general :	In case of accident or if you feel unwell, seek n where possible). Move the affected personnel a		
irst-aid measures after inhalation :	Remove person to fresh air and keep comforta respiration. Get immediate medical advice/atte		g. If not breathing, give artificial
	Wash with plenty of soap and water. Get imme		
,	Immediately flush eyes thoroughly with water for present and easy to do. Continue rinsing. Get i	immediate med	ical advice/attention.
irst-aid measures after ingestion :	Do NOT induce vomiting. Never give anything mouth out with water. Get immediate medical a		
I.2. Most important symptoms and effects,	· · · · · · · · · · · · · · · · · · ·		
	The most important known symptoms and effer 2.2) and/or in section 11.	cts are describe	ed in the labelling (see section
.3. Indication of any immediate medical at	tention and special treatment needed		
reat symptomatically.			
SECTION 5: Firefighting measures			
.1. Extinguishing media	Alaphal registrant form Carbon disside Deve	wdor Mater	
uitable extinguishing media :	Alcohol resistant foam. Carbon dioxide. Dry po appropriate for surrounding fire.	wuer. vvater sp	nay. Use exunguisning media
.2. Special hazards arising from the substa			
ïre hazard	Thermal decomposition generates: Carbon oxid Nitrogen oxides.	des. Hydrogen	chloride. Hydrogen fluoride.
i o nazara		Lise water spr:	av or fog for cooling exposed
	Risk of explosion if heated under confinement. containers.	obe water opic	.,
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Farsonal precautions, protective equipment and emergency procedures Seneral measures : Encounte unnecessary personnel. Ensure adequate air venilation. Do not breathe gas. fumes, vapor of spray. Entergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. E.1. For non-emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to sections : "Exposure controllopersonal protection". Energency procedures : Qasvapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. E.2. Environmental precautions Action decision and material for containment and cleaning up Environmental precautions For containment : Stop leakit f safe to do so. Dike for recovery or absorb with appropriate material. Methods for cleaning up : Take up large spills with pump or vasion and finish with dry chernical absorbent. Use gas particulares in the section of the section in strends area. Notaditional information available : Do not handle until all safety precautions have been read and understood. Ensure good vanitation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Not exit, drink or smist area. Notaditional information available : Do not handle until all safety precautions have been read and understood. Ensure good vanitation of the w	SECTION 6: Accidental release measures		
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, furnes, vapor or spray. 6.1.1. For non-emergency personnel Ensergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. 6.1.2. For amergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection". Enregency procedures : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection". 6.2. Environmental proceutions : Bot pleak if safe to do so. Dike for recovery or absorb with appropriate material. 8.2. Methods and material for containment and cleaning up Each containment For containment : Stop leak if safe to do so. Dike for recovery or absorb with appropriate material. Wethods or cleaning up : Take up large splits with purp or vacuum and finsh with dry chemical absorbent. Sweep or shored explicator-prot equipment. Take up small splits with ory chemical absorbent. Sweep or shored explicator available SECTION 7: Handling and Storage : Do not handle until al stely proceutions have been read and understood. Ensure good understood. Ensure good understood. Ensure good understood. Ensure good protective equipment. Avaid contact with skin and eyes. Precautions for safe handling : Do not handle until al stely proceutions have been read and understoo			
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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	Technical measures	: Comply with applicable regulations.	
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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	Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
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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	Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.	
Protection. Other information : Safety shoes. 29 CFR 1910.136: Foot Protection. SECTION 9: Physical and chemical properties	Skin and body protection	: Wear suitable protective clothing.	
Other information : Safety shoes. 29 CFR 1910.136: Foot Protection. SECTION 9: Physical and chemical properties	Respiratory protection		
	Other information		
4.1. Information on Dasic physical and chemical properties	SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties		

9.1.	Information on basic physical and chemical properties		
Physica	al state	: Liquid	
Color		: No data available	
Odor		: No data available	
Odor th	reshold	: No data available	
03/28/20	018	EN (English US)	SDS ID: 3H37700

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pH	: 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
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 220.579 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 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 information			

11.1. Information on toxicological effect	cts
Acute toxicity	: Oral: Harmful 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

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Aspirati	on hazard	: Not classified
SECT	ION 12: Ecological informatior	h
12.1.	Toxicity	
No add	tional information available	
12.2.	Persistence and degradability	
No add	tional information available	
12.3.	Bioaccumulative potential	
No add	tional information available	
12.4.	Mobility in soil	
No add	tional information available	
12.5.	Other adverse effects	
No add	tional information available	

SECTION 13: Disposal consider	ations	
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:

2-Chloro-6-methyl-4-(trifluoromethyl)nicotinonitrile CAS No 13600-48-1	100%
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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

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SECTION 16: Other information

	Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
	Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
	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
	H312	Harmful in contact with skin
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H332	Harmful if inhaled
	H335	May cause respiratory irritation
	nealth hazard	 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 1 - Must be preheated before ignition can occur.
	reactivity	 1 - Midst be preheated berore ignition can occur. O - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS I	II Rating	
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flamm	ability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physica	al	: 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.