

Safety Data Sheet 4H233X6

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/07/2016 Version: 1.0

Date of	ssue: 07/07/2016	ersion: 1.0	
SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: Methyl 2-chloro-4-	trifluoromethyl)pyrimidine-5-carboxylate	
CAS No	: 175137-27-6		
Product code	: 4H23-3-X6		
Formula	: C7H4CIF3N2O2		
Synonyms	: 2-Chloro-5-(metho	ycarbonyl)-4-(trifluoromethyl)pyrimidine	
Other means of identification	: MFCD00068146		
1.2. Relevant identified uses of the sub	stance or mixture and	uses advised against	
Use of the substance/mixture	: Laboratory chemic		
	Manufacture of sul 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.co	<u>om</u>		
1.4. Emergency telephone number	. (944) 522 4096 (2)	Company Account (0000)	
Emergency number	: (844) 523-4086 (3)	Company - Account 10069)	
SECTION 2: Hazard(s) identification	1		
2.1. Classification of the substance or	mixture		
Classification (GHS-US)			
Acute Tox. 3 (Oral) H301 - Toxic if swallowe	d		
Skin Irrit. 2 H315 - Causes skin irrita	ation		
Eye Dam. 1 H318 - Causes serious e STOT SE 3 H335 - May cause respin			
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)			
		\vee \vee	
	GHS05	GHS06 GHS07	
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: H301 - Toxic if swa		
	H315 - Causes ski H318 - Causes sei		
		respiratory irritation	
Precautionary statements (GHS-US)		ning fumes, mist, spray, vapors	
		horoughly after handling	
		drink or smoke when using this product tdoors or in a well-ventilated area	
		tive gloves/protective clothing/eye protection/face protection	
	P301+P310 - If sw	allowed: Immediately call a poison center/doctor/	
		skin: Wash with plenty of soap and water aled: Remove person to fresh air and keep comfortable for brea	athing
		- If in eyes: Rinse cautiously with water for several minutes. Re	
	lenses, if present a	nd easy to do. Continue rinsing	
		r call a POISON CENTER or doctor/ physician atment (see supplemental first aid instructions on this label)	
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5 5 , ,				
	P332 P362 P403 P405	 Rinse mouth +P313 - If skin irritation occurs: Get me +P364 - Take off contaminated clothing +P233 - Store in a well-ventilated place Store locked up Dispose of contents/container to an a 	g and wash it bel e. Keep containe	fore reuse r tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatio	n on in	aradianta		
		greatents		
3.1. Substance				
Substance type	: Monc	p-constituent		
Name		Product identifier	%	Classification (GHS-US)
Methyl 2-chloro-4-(trifluoromethyl)pyrimidine-5-carbox (Main constituent)	ylate	(CAS No) 175137-27-6	<= 100	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Dam. 1, H318 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 measures				
First-aid measures general		se of accident or if you feel unwell, see e possible). Move the affected personn		
First-aid measures after inhalation		ove person to fresh air and keep comforation. Get immediate medical advice/a		ing. If not breathing, give artificial
First-aid measures after skin contact	: Wash	n with plenty of soap and water. Get im	mediate medical	advice/attention.
First-aid measures after eye contact		ediately flush eyes thoroughly with wate ent and easy to do. Continue rinsing. G		
First-aid measures after ingestion		OT induce vomiting. Never give anythin h out with water. Get immediate medica		
4.2. Most important symptoms and effect	ts, 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 medica	l attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5. Eirofighting moscuroe				
SECTION 5: Firefighting measures				
5.1. Extinguishing media Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry opriate for surrounding fire.	powder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the su				
5.2. Special hazards arising from the su Fire hazard			ovides Hydrogo	a chloride. Hydrogon fluorida
IIE HAZAIU		nal decomposition generates: Carbon ogen oxides.	unides. mydroger	r chionae. Hydrogen nuonae.
Explosion hazard	: Risk	of explosion if heated under confineme iners.	nt. Use water sp	ray or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area. Fight fire rem	otely due to the	risk of explosion.
Protection during firefighting	: Wear	gas tight chemically protective clothing	g in combination	•
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				· ·
SECTION 6: Accidental release mean 6.1. Personal precautions, protective eq	sures			

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6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2. Environmental precautions	
Avoid release to the environment. Notify authority	orities if product enters sewers or public waters.

6.3. Methods and material for containn	. Methods and material for containment and cleaning up		
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.		
Methods for cleaning up	Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.		
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 fumes, mist, spray, vapors. 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, includi	ing any incompatibilities		
Technical measures	: Comply with applicable regulations.		
Storage conditions	: Keep container closed when not in use.		
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.		

SECT	FION 8: Exposure controls/personal protection	
8.1.	Control parameters	
No add	ditional 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 chemical properties	
Physical state	: Liquid	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pН	: No data available	
Melting point	: No data available	
Freezing point	: No data available	

Methyl 2-chloro-4-(trifluoromethyl)pyrimidine-5-carboxylate Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Boiling point	: 76 - 78 °C (@ 15 mm Hg)	
Flash point	: > 110 °C	
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	
Specific gravity / density	: 1.491 g/ml (@ 25 °C)	
Molecular mass	: 240.57 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		
Refractive index	: 1.468 (@ 20 °C)	
SECTION 10: Stability and reactivit	y	
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
The product is stable at normal handling and s	torage 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 produc	ts	
Under normal conditions of storage and use, h fire, see Section 5.	azardous decomposition products should not be produced. Hazardous decomposition products in case of	
SECTION 11: Toxicological information	ation	

Acute toxicity:Oral: Toxic if swallowed.Skin corrosion/irritation:Causes skin irritation.Serious eye damage/irritation:Causes serious eye damage.Respiratory or skin sensitization:Not classifiedGerm cell mutagenicity:Not classifiedCarcinogenicity:Not classifiedReproductive toxicity:Not classifiedSpecific target organ toxicity (single exposure):May cause respiratory irritation.Specific target organ toxicity (repeated exposure):Not classifiedAspiration hazard:Not classified
Skin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Causes serious eye damage.Respiratory or skin sensitization: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedReproductive toxicity: Not classifiedSpecific target organ toxicity (repeated: Not classifiedSpecific target organ toxicity (repeated: Not classified
Skin corrosion/irritation: Causes skin irritation.Serious eye damage/irritation: Causes serious eye damage.Respiratory or skin sensitization: Not classifiedGerm cell mutagenicity: Not classifiedCarcinogenicity: Not classifiedReproductive toxicity: Not classified
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SECTIO	ON 12: Ecological information	
12.1.	Toxicity	
No additio	onal information available	
12.2.	Persistence and degradability	
No additio	onal information available	
12.3.	Bioaccumulative potential	
No additional information available		
12.4.	Mobility in soil	
No additio	onal information available	
12.5.	Other adverse effects	
No additio	onal information available	

SECTION 13: Disposal considerations				
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 Transport document description

UN-No.(DOT)

Packing group (DOT)

DOT Symbols

Proper Shipping Name (DOT) Transport hazard class(es) (DOT) Hazard labels (DOT)

DOT Packaging Non Bulk (49 CFR 173.xxx)

DOT Special Provisions (49 CFR 172.102)

DOT Packaging Bulk (49 CFR 173.xxx)

- : UN2810 Toxic, liquids, organic, n.o.s., 6.1, III
- : UN2810
- : Toxic, liquids, organic, n.o.s.
- : 6.1 Class 6.1 Poisonous materials 49 CFR 173.132
- : 6.1 Poison



- : III Minor Danger
- : 203
- : 241
- : G Identifies PSN requiring a technical name
- : IB3 Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 153

DOT Quantity Limitations Passenger aircraft/rail : 60 L (49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75) DOT Vessel Stowage Location

ation : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"	
Other information	: No supplementary information available.	
TDG		
No additional information available		
Transport by sea		
UN-No. (IMDG)	: 2810	
Proper Shipping Name (IMDG)	: TOXIC LIQUID, ORGANIC, N.O.S.	
Class (IMDG)	: 6.1 - Toxic substances	
Packing group (IMDG)	: III - substances presenting low danger	
Air transport		
UN-No. (IATA)	: 2810	
Proper Shipping Name (IATA)	: Toxic liquid, organic, n.o.s.	
Class (IATA)	: 6.1 - Toxic Substances	
Packing group (IATA)	: III - Minor Danger	

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:

Methyl 2-chloro-4-(trifluoromethyl)pyrimidine-5-carboxylate	CAS No 175137-27-6	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

Methyl 2-chloro-4-(trifluoromethyl)pyrimidine-5-carboxylate (175137-27-6)	
Listed on the Japanese ISHL (Industrial Safety and Health Law)	

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:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3	
Eye Dam. 1	Serious eye damage/eye irritation Category 1	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H301	Toxic if swallowed	
H315	Causes skin irritation	
H318	Causes serious eye damage	
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	: 1 - Must be preheated before ignition can occur.	
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	 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) 	
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.