

Safety Data Sheet 2123714 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 09/02/2016 Version: 1.0

Substance name : M CAS No : 1 Product code : 2 formula : 0 Synonyms : M Other means of identification : M .2. Relevant identified uses of the substance Ise of the substance/mixture : M .3. Details of the supplier of the safety data SynQuest Laboratories, Inc. . .0. Box 309 Jachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 Info@synquestlabs.com - www.synquestlabs.com .4. Emergency telephone number Emergency number : (SECTION 2: Hazard(s) identification .1. Classification of the substance or mixture Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Yey Irrit. 2A H319 - Causes serious eye irritation Yey Irrit. 2A H315 - May cause respiratory irritation Yey Irrit. 2A H315 - May cause respiratory irritation Yey Irrit. 2A H315 - May cause respiratory irritation Yey Irrit. 2A H315 - May cause respiratory irritation <t< th=""><th>: Substance : Methyl 2,3-dichlorotrifluoropropionate : 16329-89-8 : 2123-7-14 : C4H3Cl2F3O2 : Methyl 2,3-dichlorotrifluoroproponate : MFCD16620571 Sees of the substance or mixture and uses advised against</th></t<>	: Substance : Methyl 2,3-dichlorotrifluoropropionate : 16329-89-8 : 2123-7-14 : C4H3Cl2F3O2 : Methyl 2,3-dichlorotrifluoroproponate : MFCD16620571 Sees of the substance or mixture and uses advised against
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O. Box 309 Jachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 ifo@synquestlabs.com - www.synquestlabs.com .4. Emergency telephone number mergency number : () SECTION 2: Hazard(s) identification .1. Classification of the substance or mixtue classification (GHS-US) kin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye irritation TOT SE 3 H335 - May cause respiratory irritation ull text of H-phrases: see section 16 : .2. Label elements cHS-US labeling : lazard pictograms (GHS-US) :	r of the safety data sheet
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HS-US labeling lazard pictograms (GHS-US) :	erious eye irritation e respiratory irritation
lazard pictograms (GHS-US)	
appl word (CHS HS)	GHS07
o	: Warning
, , , , , , , , , , , , , , , , , , ,	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
F	US) : P261 - Avoid breathing fumes, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection

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2.3. Other hazards						
No additional information available						
2.4. Unknown acute toxicity (GHS US)						
Not applicable						
SECTION 3: Composition/information on ingredients						
3.1. Substance						
Substance type : Mono-constituent						
Name		Product identifier	%	Classification (GHS-US)		
Methyl 2,3-dichlorotrifluoropropionate (CAS No) 16329-89-8 <= 100						
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		se of accident or if you feel unwell, seek e possible). Move the affected personnel				
First-aid measures after inhalation		ove person to fresh air and keep comfortaration. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial		
First-aid measures after skin contact	: Wash	n with plenty of soap and water. Get med	ical advice/atten	tion.		
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	First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.					
4.2. Most important symptoms and effe	cts, 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.						
	2.2)					
4.3. Indication of any immediate medica	,					
4.3. Indication of any immediate medica Treat symptomatically.	,					
Treat symptomatically.	,					
Treat symptomatically. SECTION 5: Firefighting measures	,					
Treat symptomatically.	al attentio		owder. Water sp	ray. Use extinguishing media		
Treat symptomatically.SECTION 5: Firefighting measures5.1.Extinguishing mediaSuitable extinguishing media	al attentio	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media		
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	tify 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. 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 sectio	ns	
No additional information available		
SECTION 7: Handling and st	torage	
7.1. Precautions for safe hand	lling	
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	ge, including any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
	: Store in dry, cool, well-ventilated area.	

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.

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Vapor pressure	: No data available		
Oxidizing properties	: No data available		
Explosive properties	: No data available		
Explosion limits	: No data available		
Flammability (solid, gas)	: No data available		
Relative evaporation rate (butyl ad	cetate=1) : No data available		
Flash point	: No data available		
Boiling point	: 125 - 128 °C		
Freezing point	: No data available		
Melting point	: No data available		
рΗ	: No data available		
Odor threshold	: No data available		
Odor	: No data available		
Color	: No data available		
Physical state	: Liquid		
9.1. Information on basic physical and chemical properties			
SECTION 9: Physical and	chemical properties		

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Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 210.97 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

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SECT	ION 10: Stability and reactivity			
10.1.	Reactivity			
No additional information available				
10.2.	Chemical stability			
The pro	duct is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions			
No add	itional information available			
10.4.	Conditions to avoid			
Keep a	way from heat, sparks and flame.			
10.5.	Incompatible materials			
Strong	oxidizing agents.			
10.6.	Hazardous decomposition products			
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.			

Acute toxicity	: Not classified
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	ION 12: Ecological information
12.1.	Toxicity
No add	itional information available
12.2.	Persistence and degradability
No add	itional information available
12.3.	Bioaccumulative potential

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 a	an afterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of con	tents/container in accordance with lic	ensed collector's sorting instructions.
Additional information	: Recycle the ma	aterial as far as possible.	
SECTION 14: Transport informa	tion		
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 inform	ation		
15.1. US Federal regulations			
All components of this product are listed, Substances Control Act (TSCA) inventor		on the United States Environmental F	Protection Agency Toxic
Methyl 2,3-dichlorotrifluoropropionate	•	CAS No 16329-89-8	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

Full text of H-phrases:

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
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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	: 2 Moderate Hazard - Temporary or minor injury may occur
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.