

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
Product form       : S         Substance name       : M         SAS No       : 1         Product code       : 2         formula       : C         Synonyms       : M         Other means of identification       : M         .2.       Relevant identified uses of the substance         Jse of the substance/mixture       : L         .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       .         Mc@ synquestlabs.com - www.synquestlabs.com       .         .4.       Emergency telephone number         Emergency number       : (         .1.       Classification of the substance or mixture         .2.       H315 - Causes skin irritation         .2.       H315 - Causes skin irritation         .2.       H315 - Causes serious eye irritation         .2.       H315 - Causes serious eye irritation         .3.       H335 - May cause respiratory irritation         .2.       Label elements         .3.       Label elements         .3.       Label elements	<ul> <li>Methyl 2,3-dichlorotrifluoropropionate</li> <li>16329-89-8</li> <li>2123-7-14</li> <li>C4H3Cl2F3O2</li> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul>
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=""><td><ul> <li>Methyl 2,3-dichlorotrifluoropropionate</li> <li>16329-89-8</li> <li>2123-7-14</li> <li>C4H3Cl2F3O2</li> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul></td></t<>	<ul> <li>Methyl 2,3-dichlorotrifluoropropionate</li> <li>16329-89-8</li> <li>2123-7-14</li> <li>C4H3Cl2F3O2</li> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul>
AS No : 1 1 Product code : 2 formula : 0 Synonyms : M Other means of identification : M 2. Relevant identified uses of the substance Use of the substance/mixture : L SynQuest Laboratories, Inc. 2. Details of the supplier of the safety data SynQuest Laboratories, Inc. 2. O. Box 309 Vachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 Mo@ synquestlabs.com - www.synquestlabs.com 4. Emergency telephone number fmergency number : ( SECTION 2: Hazard(s) identification 1. Classification of the substance or mixture Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes serious eye irritation Eye Irrit. 2A H315 - May cause respiratory irritation Eye Irrit. 2A H315 - M315 -	<ul> <li>: 16329-89-8</li> <li>: 2123-7-14</li> <li>: C4H3Cl2F3O2</li> <li>: Methyl 2,3-dichlorotrifluoroproponate</li> <li>: MFCD16620571</li> </ul>
Product code : 2 ormula : 0 Synonyms : M Other means of identification : M 2. Relevant identified uses of the substance Use of the substance/mixture : L 3. Details of the supplier of the safety data SynQuest Laboratories, Inc. 2. O. Box 309 Uachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 Mo@ synquestlabs.com - www.synquestlabs.com 4. Emergency telephone number imergency number : ( SECTION 2: Hazard(s) identification 1. Classification of the substance or mixture Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes skin irritation Eye Irrit. 2A H315 - May cause respiratory irritation FUOT SE 3 H335 - May cause respiratory irritation FUOT SE 3 H335 - May cause respiratory irritation SHS-US labeling Hazard pictograms (GHS-US) : :	<ul> <li>2123-7-14</li> <li>C4H3Cl2F3O2</li> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul>
formula       : C         Synonyms       : M         Other means of identification       : M         .2.       Relevant identified uses of the substance         Use of the substance/mixture       : L         .3.       Details of the supplier of the safety data         SynQuest Laboratories, Inc.          ?O. Box 309       Machua, FL 32615 - United States of America         (386) 462-0788 - F (386) 462-7097       Mo@ synquestlabs.com - www.synquestlabs.com         .4.       Emergency telephone number         imergency number       : ()         SCCTION 2: Hazard(s) identification         Classification of the substance or mixture         Classification (GHS-US)         Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye irritation         Eye Irrit. 2A       H319 - Causes serious eye irritation         Stort SE 3       H335 - May cause respiratory irritation         Sull text of H-phrases: see section 16          .2.       Label elements         SHS-US labeling          Mazard pictograms (GHS-US)	<ul> <li>C4H3Cl2F3O2</li> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul>
Synonyms       : M         Dther means of identification       : M <b>.2.</b> Relevant identified uses of the substance         Use of the substance/mixture       : L         SynQuest Laboratories, Inc.       .         O. Box 309         Jachua, FL 32615 - United States of America         (386) 462-0788 - F (386) 462-7097         Info@synquestLabs.com - www.synquestLabs.com <b>.4.</b> Emergency telephone number         Emergency number       : ( <b>SECTION 2: Hazard(s) identification .1.</b> Classification of the substance or mixture         Classification (GHS-US)         Skin Irrit. 2       H315 - Causes skin irritation         Syngu text of H-phrases: see section 16 <b>.2.</b> Label elements <b>BHS-US labeling</b> Jazard pictograms (GHS-US)	<ul> <li>Methyl 2,3-dichlorotrifluoroproponate</li> <li>MFCD16620571</li> </ul>
ther means of identification       : M         .2.       Relevant identified uses of the substance         ise of the substance/mixture       : L         .3.       Details of the supplier of the safety data         tynQuest Laboratories, Inc.       .0. Box 309         Jachua, FL 32615 - United States of America         (386) 462-0788 - F (386) 462-7097         the@synquestlabs.com - www.synquestlabs.com         .4.       Emergency telephone number         mergency number       : (         .5.       ECTION 2: Hazard(s) identification         .1.       Classification of the substance or mixture         classification (GHS-US)       kin Irrit. 2         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.         .2.       Label elements         HS-US labeling       lazard pictograms (GHS-US)         lazard pictograms (GHS-US)       :	: MFCD16620571
.2. Relevant identified uses of the substance         ise of the substance/mixture         ise of the substance/mixture         .1. Details of the supplier of the safety data         ynQuest Laboratories, Inc.         .0. Box 309         lachua, 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         mergency number         .1. Classification of the substance or mixture         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)	
<ul> <li>Jse of the substance/mixture</li> <li>L</li> <li>Details of the supplier of the safety data</li> <li>Explored the substance of the substance or mixtual</li> <li>Explored the substance or mixtual</li> <li>Explor</li></ul>	ses of the substance or mixture and uses advised against
se of the substance/mixture : L <b>3.</b> Details of the supplier of the safety data ynQuest Laboratories, Inc. O. Box 309 lachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 fo@synquestlabs.com - www.synquestlabs.com <b>4.</b> Emergency telephone number mergency number : ( <b>ECTION 2: Hazard(s) identification</b> <b>1.</b> Classification of the substance or mixtur lassification (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 <b>2.</b> Label elements <b>HS-US labeling</b> azard pictograms (GHS-US) :	· · · · · · · · · · · · · · · · · · ·
A constraints of the substance or mixture Constraints of the substance or mix	: Laboratory chemicals Manufacture of substances Scientific research and development
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
Emergency number       : (         SECTION 2: Hazard(s) identification         .1.       Classification of the substance or mixture         Classification (GHS-US)         Skin Irrit. 2       H315 - Causes skin irritation         Eve Irrit. 2A       H319 - Causes serious eye irritation         STOT SE 3       H335 - May cause respiratory irritation         Sull text of H-phrases: see section 16       .2.         Label elements       .3.         BHS-US labeling          Idazard pictograms (GHS-US)	7097 <u>ynquestlabs.com</u>
SECTION 2: Hazard(s) identification         Standard Structure         Classification of the substance or mixture         Classification (GHS-US)         Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2       H319 - Causes serious eye irritation         Structure       Structure         Structure       H315 - May cause respiratory irritation         Structure       H-phrases: see section 16         Structure       Label elements         SHS-US labeling       Hazard pictograms (GHS-US)	: (844) 523-4086 (3E Company - Account 10069)
HS-US labeling lazard pictograms (GHS-US) :	erious eye irritation e respiratory irritation
lazard pictograms (GHS-US)	
appl word (CHS HS)	GHS07
<b>o</b>	: 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

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

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		
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.				
Section 5: Firefighting measures         5.1.       Extinguishing media         Suitable extinguishing media         5.2.       Special hazards arising from the suitable	al attentio : Alcoh appro ibstance ( : Therr	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	ides. Hydrogen	chloride. Hydrogen fluoride.		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard	al attentio : Alcoh appro ibstance ( : Therr : Risk (	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox	ides. Hydrogen	chloride. Hydrogen fluoride.		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard	al attentio : Alcoh appro ibstance ( : Therr : Risk (	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox of explosion if heated under confinement	ides. Hydrogen	chloride. Hydrogen fluoride.		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard	al attentio	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox of explosion if heated under confinement	ides. Hydrogen . Use water spra	chloride. Hydrogen fluoride. ay or fog for cooling exposed		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters	al attentio	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remote gas tight chemically protective clothing i	ides. Hydrogen . Use water spra ely due to the ris n combination w	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting	<ul> <li>Alcor appro</li> <li>Alcor appro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox of explosion if heated under confinement iners.	ides. Hydrogen . Use water spra ely due to the ris n combination w	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions	<ul> <li>Alcor appro</li> <li>Alcor appro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture nal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remote gas tight chemically protective clothing i	ides. Hydrogen . Use water spra ely due to the ris n combination w	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting	<ul> <li>Alcohappro</li> <li>Alcohappro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> <li>SURES</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remot gas tight chemically protective clothing i ratus. For further information refer to sec	ides. Hydrogen . Use water spra ely due to the ris n combination w	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release measures	al attentio  Alcor appro bstance Therr Risk Conta In cas Wear appa Sures Upment Evac	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remot gas tight chemically protective clothing i ratus. For further information refer to sec	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposure	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing e controls/personal protection".		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 6.1. Personal precautions, protective ex General measures	al attentio  Alcor appro bstance Therr Risk Conta In cas Wear appa Sures Upment Evac	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remot gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures uate unnecessary personnel. Ensure ade	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposure	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>v</i> ith self contained breathing e controls/personal protection".		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 6.1. Personal precautions, protective ex General measures	<ul> <li>Al attentio</li> <li>Alcohappro</li> <li>Alcohappro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> <li>Sures</li> <li>Sures</li> <li>Evac vapor</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remot gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures uate unnecessary personnel. Ensure ade	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposure equate air ventila	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. //th self contained breathing e controls/personal protection".		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release meas 6.1. Personal precautions, protective ex General measures 6.1.1. For non-emergency personnel	<ul> <li>Al attentio</li> <li>Alcohappro</li> <li>Alcohappro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> <li>Sures</li> <li>Sures</li> <li>Evac vapor</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remotion rgas tight chemically protective clothing is ratus. For further information refer to sec and emergency procedures uate unnecessary personnel. Ensure ader or spray.	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposure equate air ventila	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. //th self contained breathing e controls/personal protection".		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 6.1. Personal precautions, protective ex General measures 6.1.1. For non-emergency personnel Emergency procedures	<ul> <li>Al attentio</li> <li>Alcohappro</li> <li>Alcohappro</li> <li>Therr</li> <li>Risk conta</li> <li>In cas</li> <li>Wear appa</li> <li>Sures</li> <li>Sures</li> <li>Evac vapor</li> <li>Conly</li> <li>Do no</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remotion rgas tight chemically protective clothing is ratus. For further information refer to sec and emergency procedures uate unnecessary personnel. Ensure ader or spray.	ides. Hydrogen . Use water spra ely due to the ris n combination w tion 8: "Exposure equate air ventila le protective equip	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. //th self contained breathing e controls/personal protection". ation. Do not breathe gas, fumes,		
Treat symptomatically. SECTION 5: Firefighting measures 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the su Fire hazard Explosion hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 6.1. Personal precautions, protective ex General measures 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	<ul> <li>Al attentio</li> <li>Alcor appro</li> <li>Alcor appro</li> <li>Ibstance ( : Therr : Risk conta</li> <li>In cas</li> <li>Wear appa</li> <li>Sures</li> <li>Sures</li> <li>Sures</li> <li>Evac vapor</li> <li>: Only</li> <li>: Do no refer</li> </ul>	n and special treatment needed nol resistant foam. Carbon dioxide. Dry propriate for surrounding fire. or mixture mal decomposition generates: Carbon ox of explosion if heated under confinement iners. se of fire: Evacuate area. Fight fire remote r gas tight chemically protective clothing is ratus. For further information refer to sec and emergency procedures uate unnecessary personnel. Ensure adder r or spray. qualified personnel equipped with suitable to section 8: "Exposure controls/personal vapor heavier than air. May accumulate i	ides. Hydrogen . Use water spra rely due to the ris n combination w tion 8: "Exposur equate air ventila le protective equip protective equip l protection".	chloride. Hydrogen fluoride. ay or fog for cooling exposed sk of explosion. <i>r</i> ith self contained breathing e controls/personal protection". ation. Do not breathe gas, fumes, ipment may intervene.		

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

	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.

12/06/2016	EN (English LIS)	SDS ID: 2122714	3/6
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		

Safety Data Sheet

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

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

0507				
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

Safety Data Sheet

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

#### 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	<ul> <li>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)</li> </ul>
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.