

Safety Data Sheet 66603M0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/05/2015 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2,3,5-Trifluorobenzeneboronic acid
CAS No	: 247564-73-4
Product code	: 6660-3-M0
Formula	: C6H4BF3O2
Other means of identification	: MFCD01863166
1.2. Relevant identified uses of the subs	tance 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	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.com	<u>n</u>
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 m	ixture
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritatSTOT SE 3H335 - May cause respiratory irriFull text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P337+P313 - If eye irritation persists: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P501 - Dispose of contents/container to an approved waste disposal plant</li> </ul>

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

No additional information available Version acute toxicity (GHS US) Version acute toxicity (GH	ccording to Federal Register / Vol. 77, No. 58 / Mono	ay, March 26	, 2012 / Rules and Regulations		
2.4       Unknown acute toxicity (GHS US)         Not applicable       Substance         Substance       Image: Substance Substance Product identifier       %       Classification (GHS-US)         Substance Substance Pype       : Mono-constituent       Sin Int. 2, H315       Sin Int. 2, H315         Substance Substance Pype       : (CAS No) 247564-734       <= 100	2.3. Other hazards				
Not applicable SECTION 3: Composition/information on ingradients Statusnee type iMon-constituent  Name  Statusnee type iMon-constituent  Name  (CA he) 247564-73-4  Statusnee Statusnee type iCassification (CHS-US) Statusnee Statusnee type iCassification (CHS-US) Statusnee Stat					
Section 3: Composition/information on ingredients  Statistics  Substance Su		)			
Substance         Substance           Substance type         : Mono-constituent           Name         Product identifier         %         Classification (OHS-US) Substance type           2.3.6-Tifluorobenzameboronic and (km constance)         :CAIS Noi 247564-73-4         er 100         Stan from 2, H315 Stor T SE 3, H335           Substance type         :CAIS Noi 247564-73-4         er 100         Stor T SE 3, H335           Substance type         :Exercise type         :Exercise type         :Exercise type           Substance type         :Exercise type         :Exercise type         :Exercise type           Substance type         :Exercise type         :Exercise type         :Exercise type           Substance type         :In case of accident or if you feel unwell, seek medical advice/attention.         :inst-aid measures after inhalation         ::Remove person to fresh air and Keep connotable for threating, give artificial respiration. Get medical advice/attention.           :Tirst-aid measures after inhalation         ::Demove person to to do continue mining. Get medical advice/attention.           :Tirst-aid measures after inpession         :De NOT induce vontiling. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.           :Iterate advisoriting type         : :The most inportant known symptoms and effects are described in the labeling (see section 2: 2) and/or in section 11.					
Substance type         I. Mono-constituent         Yeoduct identifier         Ye         Classification (GHS-US)           2.35.Trifloorbonzenebonizated         (CAS Noi) 247564/73.4         <= 100		tion on in	gredients		
Name         Product identifier         %         Classification (GHS-US)           2.3.5 Tifluorbanzandboronic and Main Excellance         CAS No 247564-73.4         en 100         Shin Int. 2, H316 Sitto T 24, H338           Full text of H-phrases: see section 16         Shin Int. 2, H316 Sitto T 24, H338         Shin Int. 2, H316 Sitto T 24, H338           12.2         Mixture Voi applicable         Mixture Voi applicable         Shin Int. 2, H316 Sitto T 24, H338           5ECTION 4; First aid measures First-aid measures general         : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). More the aiffacted personnel away from the contrainted area, rist-aid measures after inheation         : Remove person to fees hi and Reeg comolotable for treating. If not breathing, give artificial respiration. Get medical advice/attention.           First-aid measures after inheation         : Remove person to 6 do contine inheining. Get medical advice/attention.           First-aid measures after ingestion         : Do NOT induce vontiling. Newer give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.           1:         Loss Not induce vontiling. Newer give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.           1:         Indication of any immediate medical attention and special treatment needed freat symptomainshipunes         : Do NOT induce vontiling. Newer give anything well           2:         Most important symptoms and effects, bo		. Maa			
23.5 Timburchanzemeboranic acid (Man constluction)       cc3 No) 247684-73-4       cm 100       Bin Intr. 2. H316 STOT 8 E 3. H336         Volt applicable       STOT 8 E 3. H336       STOT 8 E 3. H336         Stot P + First aid measures       In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         Strat-aid measures after inhalation       : In case of accident or if you feel unwell, seek medical advice/attention.         First-aid measures after inhalation       :: Remove person to fresh air and keep comfortable for breathing, give antificial respiration. Get medical advice/attention.         First-aid measures after eye contact       :: Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       :: Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       :: Do NOT induce vortiting. Never yei anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         State 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.         State asymptomatically.       :       The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         State asymptomatically.       :       The most important known symptoms and effects are described in the labell	Substance type	: Mono	D-constituent	L	
International working         Events         Events         Events         Events         Events         Stor Field         Histor           Stor H-Phrases: see socion 16					. ,
5.2. Mixture         Vot applicable         SECTION 4: First aid measures         First-aid measures general       : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         First-aid measures after inhalation       : Remove person to fresh air and keep controtable for breathing, give artificial respiration. Get medical advice/attention.         First-aid measures after inhalation       : Remove person to fresh air and keep controtable for breathing, give artificial respiration. Get medical advice/attention.         First-aid measures after indestion       : Do NOT induce vonting. Never give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures after ingestion       : Do NOT induce vonting. Never give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures after ingestion       : Do NOT induce vonting. Never give anything by mouth to a unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures       : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures       : Do Not induce on sing special treatment needed         Freat symptomalically.       Section 11.         Section Aix arxis arising from the substance or mixture       Spreplonalizating from the substance or mixture </td <td></td> <td></td> <td>(CAS No) 247564-73-4</td> <td>&lt;= 100</td> <td>Eye Irrit. 2A, H319</td>			(CAS No) 247564-73-4	<= 100	Eye Irrit. 2A, H319
kot applicable         SECTION 4: First ald measures         V1. Description of first aid measures         visite-aid measures general       : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the notmainated area.         visite-aid measures after inhalation       : Remove person to fresh air and keep confrotable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.         visite-aid measures after exit contact       : Wash with period yoa and water. Get medical advice/attention.         visite-aid measures after exit contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue ninsing. Get medical advice/attention.         visits-aid measures after ingestion       : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         visits-aid measures after ingestion       : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         visits-aid measures       : The most important known symptoms and effects are described in the labelling (see section 2.2.2) and/or in section 11.         visitable extinguishing media       : Alcohol resistant foam. Carbon dixide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         visitable extinguishing media       : Alcohol resistant foam. Carbon dixide. Dry powder. Water sp	Full text of H-phrases: see section 16				
SECTION 4: First aid measures         11. Description of first aid measures         12. Track-aid measures general         12. Track-aid measures general         13. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         13. First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         13. First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         13. First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         13. First-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         13. Indication of any immediate medical attention and special treatment needed       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         13. Indication of any immediate medical attention and special treatment needed       : Thermost important known symptoms con oxides. Carbon oxides. Hydrogen fluoride.         15. Special hazards arising from the substance or mixture       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         15. Advice for firefighters       : On on attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         16. Personal precaut	.2. Mixture				
A1.       Description of first aid measures         First-aid measures general       In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         First-aid measures after inhalation       Remove person to fresh air and keep confortable for breathing. If not breathing, give artificial respiration.         First-aid measures after skin contact       Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue mising. Get medical advice/attention.         First-aid measures after ingestion       Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures after ingestion       Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         First-aid measures       The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         First-aid symptomatically.       EECTION 5: Firefifyhting measures         Sectial hazards arising from the substance or mixture       First-aid flow for firefighters         Stabe extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media         Subick for firefighters       Do not					
Tirst-aid measures general       : In case of accident of you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         Tirst-aid measures after inhalation       :: Remove person to fresh air and keep controltable for breathing, if not breathing, give artificial respiration. Get medical advice/attention.         Tirst-aid measures after eye contact       : Wash with plenty of scap and water. Get medical advice/attention.         Tirst-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue finning. Get medical advice/attention.         Visit in the assures after ingestion       : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         Visit ingestion       : Do NOT induce vonting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         Visit ingestion       : Do NOT induce vonting. Never give anything. Mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         Visit ingestion       : Do NOT induce vonting. Never give anything.         Visit advisit ingestion       : Do NOT induce vonting. Never give anything.         Visit advisit ingestion       : Do NOT induce vonting. Never give anything.         Visit advisit ingestion       : Do NOT induce vonting. Never give anything.         Visit advisit ingestion       <	SECTION 4: First aid measures				
where possible). Move the affected personnel away from the contaminated area.         iirst-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.         iirst-aid measures after skin contact       : Wash with plenty of scap and water. Get medical advice/attention.         iirst-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.         iirst-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.         iirst-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.         iirst-aid measures       : The most important known symptoms and effects see described in the labelling (see section 2.2) and/or in section 11.         ii.a.       Indication of any immediate medical attention and special treatment needed         ifreat symptomatically.       :         SECTION 5: Firefighting media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         sitable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         sita babe extinguishi					
iirst-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing, if not breathing, give artificial respiration. Get medical advice/attention.         iirst-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         iirst-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.         iirst-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.         iirst-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.         iirst-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.         iirst-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.         iirst-aid measures       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         iii.       Indication of any immediate medical attention and special treatment needed         reat symptomatically.       Extinguishing media         iii.       Extinguishing media       : Alcohol resistant foa	irst-aid measures general				
iirst-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         irst-aid measures after sye contact       : Immediately liush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to 6. Continue rinning. Get medical advice/attention.         irst-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.         12.       Most important symptoms and effects. 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.         13.       Indication of any immediate medical attention and special treatment needed         reat symptomatically.       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         12.       Special hazards arising from the substance or mixture         rise hazard       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         13.       Advice for firefighters         14.       : Extanguishing media         15.       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         16.       Personal precautions, protective equipment and emergency procedures         16.       Ev	irst-aid measures after inhalation	: Rem	ove person to fresh air and keep comfort	•	
iirst-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to 60. Continue rinsing. Get medical advice/attention.         iirst-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.         iirst-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.         iirst-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.         iirst-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.         iirst-aid measures       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         iiirst-aid measures       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         iiirst-aid measures       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         iiirs hazard       : Thermal decomposition generates. Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         iii.       Advice for firefighters         Protection during firefighting       : Do not attempt to ta	First-aid measures after skin contact	•		ical advice/atter	ntion.
mouth out with water. Get medical advice/attention.         2.2       Most important symptoms and effects, 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.         1.3.       Indication of any immediate medical attention and special treatment needed         reat symptomatically.       SECTION 5: Firefighting media         2.1.       Extinguishing media         suitable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         1.2.       Special hazards arising from the substance or mixture         irretection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel, Ensure adequate air ventilation. Avoid raising dust. Do not attempt to take action without suitable protective equipment may intervene.         4.1.       For non-emergency personnel       : Evacuate unnecessary personnel, Ensure adequate air ventilation. Avoid raising dust. Do not attempt to take action without suitable protective equipment may intervene.         4.1.1.       For non-emergency personnel       : Do not attempt to take action without suitable protective equipment may intervene.         4.1.2.       For emergency responders       : Do no	irst-aid measures after eye contact	: Imme	ediately flush eyes thoroughly with water	for at least 15 m	ninutes. Remove contact lenses, if
Symptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         A.3.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         SECTION 5: Firefighting measures         5.1.       Extinguishing media         Suitable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         5.2.       Special hazards arising from the substance or mixture         Tire hazard       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         5.3.       Advice for firefighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         S1.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         S1.2.       For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.         S1.1.       For emergency responders       : Only qual	irst-aid measures after ingestion				unconscious person. Rinse
2.2) and/or in section 11. 2.2) and/or in section 11. 3. Indication of any immediate medical attention and special treatment needed Treat symptomatically. SECTION 5: Firefighting measures 4.1 Extinguishing media 5.2 Special hazards arising from the substance or mixture 1.2 Special hazards arising from the substance or mixture 1.3 Advice for firefighters 1.4 Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride. 3.3 Advice for firefighters 1.4 Personal precautions, protective equipment and emergency procedures 1.4 Personal precautions, protective equipment and emergency procedures 1.5 For emergency personnel 1.6 For onn-emergency personnel 1.7 For onn-emergency personnel 1.7 For emergency responders 1.7 For emergency responders 1.7 For emergency responders 1.7 For emergency responders 1.7 For onn-emergency personnel 1.7 For onn-emergency personnel 1.7 For onn-emergency personnel 1.7 For onn-emergency personnel 1.7 For emergency responders 1.7 For emergenc	.2. Most important symptoms and ef	fects, both	acute and delayed		
Treat symptomatically.         SECTION 5: Firefighting media         Autable extinguishing media         Special hazards arising from the substance or mixture         The hazard       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         Advice for firefighters       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         Advice for firefighters       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         Ath.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         Attack       : Do not attempt to take action without suitable protective equipment may intervene.         Attack       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.         Attack       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         Attack       : Do not attempt to take ac	Symptoms/injuries			ects are describ	ed in the labelling (see section
SECTION 5: Firefighting measures         5.1.       Extinguishing media         Suitable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         5.2.       Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         5.3.       Advice for firefighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         S.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.         S.1.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         S.1.2.       For emergency responders       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         S.2.       Environmental precautions       : Do not attempt to take action without suitable protec	4.3. Indication of any immediate medi	cal attentic	on and special treatment needed		
5.1.       Extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         5.2.       Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         5.3.       Advice for firefighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         S1.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         S1.2.       For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.         S1.1.       For emergency responders       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         S1.1.       For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". </td <td>Treat symptomatically.</td> <td></td> <td></td> <td></td> <td></td>	Treat symptomatically.				
5.1. Extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         5.2. Special hazards arising from the substance or mixture       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         5.3. Advice for firefighters       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         5.4. Personal precautions, protective equipment and emergency procedures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         6.1.1. For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         6.1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.         6.1.2. For emergency responders       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.2. For emergency responders       : 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       : Do not attemp	SECTION 5: Firefighting measures	;			
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.   Special hazards arising from the substance or mixture   Cire hazard : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.   Advice for firefighters   Protection during firefighting   : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".   SECTION 6: Accidental release measures   : Personal precautions, protective equipment and emergency procedures   Seneral measures   : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.   : 1.1   For non-emergency personnel   Emergency procedures   : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment may intervene.   : 1.2   : 5.1   : 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".   : 2.   : 1.   : 5.   : 2.   : 1.   : 5.   : 1.   : 6.   : 2.   : 1.   : 6.   : 2.   : 1.   : 6.   : 2.   : 1.   : 6.   : 2. </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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inter hazard       : Thermal decomposition generates: Borane/boron oxides. Carbon oxides. Hydrogen fluoride.         i.3.       Advice for firefighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         Schon - emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         i.1.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         i.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 protectior".         i.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 protectior".         i.2.       Environmental precautions         woid release to the environment. Notify authorities if product enters sewers or public waters.         i.3.       Methods and material for containment and cleaning up	.2. Special hazards arising from the	substance	or mixture		
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Protection during firefighting       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures         .1. Personal precautions, protective equipment and emergency procedures         Seneral measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Avoid raising dust. Do not breathe dust.         .1.1. For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         .1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .3. Methods and material for containment and cleaning up	3 Advice for firefighters				, , , , , , , , , , , , , , , , , , , ,
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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".         6.2. Environmental precautions         Avoid release to the environment. Notify authorities if product enters sewers or public waters.         6.3. Methods and material for containment and cleaning up	5.1.1. For non-emergency personnel				
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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	Protective equipment				oment. For further information
6.3. Methods and material for containment and cleaning up	6.2. Environmental precautions				
	Avoid release to the environment. Notify authors	orities if pro	duct enters sewers or public waters.		
	.3. Methods and material for contain	ment and c	leaning up		
	Nethods for cleaning up	: Swee	ep or shovel spills into appropriate contai	ner for disposal.	Minimize generation of dust.

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Respiratory protection

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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	: Ensure good ventilation of the work station. Do not breathe dust. Avoid raising dust. 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, includ	ing any incompatibilities
Storage conditions	: Keep container tightly closed.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

SECT	ION 8: Exposure controls	/personal protection
8.1.	Control parameters	
No addi	tional information available	
8.2.	Exposure controls	
Appropr	iate 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.
Eye protection		: Chemical goggles or safety glasses. Face shield.
Skin and body protection		: Wear suitable protective clothing.

: In case of insufficient ventilation, wear suitable respiratory equipment.

# **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and	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	: 221 °C (decomposes)
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	: 175.9 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

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9.2.	Other information			
No add	No additional information available			
SECT	ION 10: Stability and reactivity			
10.1.	Reactivity			
No add	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 additional information available				
10.4.	Conditions to avoid			
No additional information available				
10.5.	Incompatible materials			
No add	itional information available			
10.6.	Hazardous decomposition products			
Undorr	normal conditions of storage and use, bazardous decomposition products should not be produced. Hazardous decomposition products in case of			

Under normal conditions fire, see Section 5. ardous decomposition products should not be produced. Hazardous decomposition products in case ıy

SECTION 11: Toxicological information			
11.1.	Information on toxicological effects		

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

SECTION 12: Ecological information				
12.1. Toxicity				
No additional information available				
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential				
No additional information available				
12.4. Mobility in soil				
No additional information available				
12.5. Other adverse effects				
No additional information available				

SECTION 13: Disposal considerations				
13.1.	Waste treatment methods			
Waste tre	atment 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.		

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# **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:

2,3,5-Trifluorobenzeneboronic acid

CAS No 247564-73-4

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		

#### NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given. 0 NFPA fire hazard : 0 - Materials that will not burn. NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, 0 and are not reactive with water.

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HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
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 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.