

# **3'-Chloro-5'-(trifluoromethoxy)acetophenone** Safety Data Sheet 26177Y0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/24/2016 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 3'-Chloro-5'-(trifluorometho)	wacetophenope	
CAS No	: 886503-42-0	yacetophenone	
Product code	: 2617-7-Y0		
Formula	: C9H6CIF3O2		
Synonyms		oxy)phenyl]ethan-1-one; 3-Acetyl-5-chloro-alpha,alph	a alpha-
Synonyms	trifluoroanisole		a,aipna-
Other means of identification	: MFCD06660315		
1.2. Relevant identified uses of the subs	tance or mixture and uses ad	vised against	
Use of the substance/mixture	: Laboratory chemicals	viscu against	
	Manufacture of substances		
	Scientific research and deve	elopment	
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@synguestlabs.com - www.synguestlabs.com	n		
1.4. Emergency telephone number	_		
Emergency number	: (844) 523-4086 (3E Compa	ny - Account 10069)	
	(3) ===	,,	
SECTION 2: Hazard(s) identification			
2.1. Classification of the substance or m	ixture		
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation			
Eye Irrit. 2A H319 - Causes serious eye irritat	ion		
STOT SE 3 H335 - May cause respiratory irri	tation		
Full text of H-phrases: see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)			
Hazard pictograms (GHS-03)			
	•		
	$\sim$		
	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H315 - Causes skin irritation		
	H319 - Causes serious eye H335 - May cause respirato		
Precautionary statements (GHS-US)	: P261 - Avoid breathing fum	•	
r recationary statements (0113-00)	P264 - Wash skin thorough		
	P271 - Use only outdoors o	in a well-ventilated area	
		es/protective clothing/eye protection/face protection	
		sh with plenty of soap and water nove person to fresh air and keep comfortable for bre	athing
		es: Rinse cautiously with water for several minutes. R	
	lenses, if present and easy	to do. Continue rinsing	
		TER or doctor/physician if you feel unwell	
		ee supplemental first aid instructions on this label) occurs: Get medical advice/attention	
		persists: Get medical advice/attention	
	P362+P364 - Take off conta	minated clothing and wash it before reuse	
	P403+P233 - Store in a wel P405 - Store locked up	-ventilated place. Keep container tightly closed	
	•		
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P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards         2.4. Unknown acute toxicity (GHS US)         Not applicable         SECTION 3: Composition/Information on Ingredients         Statute toxicity (GHS US)         Section 3: Composition/Information on Ingredients         Statute toxicity (GHS US)         Note consistent         Statute toxicity (GHS US)         Note consistent         Statute toxicity (GHS US)         S				
2.4       Unknown acute toxicity (GHS US)         Not applicable       Substance         3.1       Substance         3.2       Substance         3.4       Substance         3.4       Substance         3.4       Substance         3.4       Substance         3.4       Substance         3.4       Substance         3.5       Chiro - Strithuromethoxylacetophenone       (10.45 No) 58605.422.0 <a 10.0<="" td="">         3.4       Mature       Nature       Vid applicable         5.4       Itext of H-phrases: see section 16       <a 10.0<="" td="">         3.2       Mature       Wate applicable       <a 10.0<="" td="">         5.4       Description of first and measures       in case of accident or if you feel unwell, seek medical advice/internion.         5.1       Description of first and measures       in case of accident or if you feel unwell, seek medical advice/internion.         5.1       Description of first and measures       if non-search and second advice/internion.         5.2       Mature       Vide show hit pleny of scap and water. Get medical advice/internion.         5.2       Most important symptoms and effects. both acute and delayed       ippresent and easy to 40. Continue mathing. Get medical advice/internion.         5.2       M</a></a></a>				
Set applicable         ECTION 3: Composition/information on ingredients         A. Substance         Ubstance type       : Mono-constituent         Name       Product identifier       %       Classification (GHS-US)         Schero 5: efficitionomethoxylacetyphenome       (CAS No) 886503-42:0       ~<100				
Composition/information on ingredients     Substance     Work-constituent     Mane     Substance     Work-constituent     Mane     Schure (infinumentionylacetspherone     Schure (infinumentionylacetspherone)     Schure (infinumentionylacetspherone     Schure (infinumentionylacetspherone)     Schure (infinumentionylacetspherone)     Schure (infinumentionylacetspherone)     Schure (infinumentionylacetspherone)     Schure (infinumentionylacetspherone)     Schure (infinumentionyla				
Substance         Substance           dubtained type         : Mone-constituent           Name         Product identifier         %         Classification (GHS-US)           3: Chice of stiflubromethoxylacetophenone         (CAB Ne) 886503-42-0         ise 100         Subtance           3: Chice of stiflubromethoxylacetophenone         (CAB Ne) 886503-42-0         ise 100         Subtance           3: Chice of stiflubromethoxylacetophenone         (CAB Ne) 886503-42-0         ise 100         Subtance           3: Chice of stiflubromethoxylacetophenone         (CAB Ne) 886503-42-0         ise 100         Subtance           3: Chice of stiflubromethoxylacetophenone         (CAB Ne) 886503-42-0         ise 100         Stiflubromethoxylacetophenone           4: dot applicable         (CAB Ne) 886503-42-0         ise 100         Stiflubromethoxylacetophenone         Stiflubromethoxylacetophenone           5: dot applicable         (CAB Ne) 886503-42-0         (CAB Ne) 886503-42-0         (CAB Ne) 886503-42-0           5: dot applicable         (Samore Stiflubro of Thruthan Stiflubromethoxylacetophenone         (Samore Stiflubromethoxylacetophenone           5: dot applicable         (Samore Stiflubro of Thruthan Stiflubromethoxylacetophenone         (Samore Stiflubromethoxylacetophenone           1: first-aid measures after skin contact         : Wasenothoxylacetophenone         (Samore Stiflubro				
ubstance type       : Mono-constituent       Product identifier       %       Classification (CHS-US)         Schure -5, finituomenthoxylaudophemone       CAS No 886503-42-0       se 100       Skin Intit 2, 1413         Schure -5, finituomenthoxylaudophemone       CAS No 885603-42-0       se 100       Skin Intit 2, 1413         Uit ext of H-phrases: see section 16       .       .       .       .         2. Mixture       .       .       .       .       .         CECTION 41: First ald measures       .		on on ingredients		
Name         Product identifier         %         Classification (GHS-US) Stem trz 2, 4315 Even trz 4, 4319           2.1         Mature oli applicable         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 containnaled area.           1.1         Description of first ald 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 containnaled area.           itst-aid measures after inhalation         :: Remove person to tres hi and Acego comfortable for therathing, sive atfilial respiration. Get medical advice/attention.           itst-aid measures after eye contact         :: Ummediately lush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if persent and easy to do. Contine infisming. Get medical advice/attention.           :itst-aid measures after ingestion         :: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinee mouth out with water. Get medical advice/attention.           :itst-aid measures         :: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.           :a.         Indication of any immediate medical attention and special treatment needed reat symptomatically.           :ECTION 51: Firefighting measures :irelighning instructions         : Alcohol resist		<b></b>		
3: Chicory - Similar containing and the set of	Substance type	: Mono-constituent	L.	
Item constraining         Eve Int. 2A, H319           Cull text of H-phrases: see section 16         STOT SE 3, HA35           32. Mixture         Not applicable           SECTION 4: First aid measures         In case of accident or if you feal unwell, seek medical advice immediately (show the label where possible). More the affected personnel away from the contaminated area.           First-aid measures after inhalation         : In case of accident or if you feal unwell, seek medical advice/attention.           First-aid measures after inhalation         :: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.           First-aid measures after eye contact         : Wesh with pienty of soap and water. Get medical advice/attention.           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.           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.           42. Most important symptoms and effects, both acute and delayed         Storting is and measures           Strangtoms/injuries         : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media           State avinguishing media         : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray or fog for cooling exposed containers.				· · · · ·
3.2       Mixture         Vot applicable       SECTION 4: First aid measures         5:rist-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.         5:rist-aid measures after inhalation       : Remove person to fresh air and keep contortable for breathing, If not breathing, give artificial respiration. Cet medical advice/attention.         5:rist-aid measures after six contact       : Wash with plenty of scap and water. Cet medical advice/attention.         5:rist-aid measures after six contact       : Wash with plenty of scap and water. Cet medical advice/attention.         5:rist-aid measures after ingestion       : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Cet medical advice/attention.         6:rist-aid measures after ingestion       : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Cet medical advice/attention.         4:2.       Most important symptoms and effects. both acute and delayed         5:meta symptomatically.       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         4:3.       Indication of any Immediate medical attention and special treatment needed         7:reat symptomatination       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropritate for surrounding fire.		(CAS No) 886503-42-0	<= 100	Eye Irrit. 2A, H319
Intersection       Second the second se				
SECTION 4: First aid measures         11.       Description of first aid measures         12.       Description of first aid measures         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.       Renove person to fresh air and keep confloctable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.         13.       Immediately flush eyes thoroughly with water for at least 15 minutes. Renove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.         13.       Immediately flush eyes thoroughly with water for at least 15 minutes. Renove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.         14.       Wast important symptoms and effects. both acute and delayed         15.       Most important symptoms and effects. both acute and delayed         15.       The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         16.3       Indication of any immediate medical attention and special treatment needed         16.4       Extinguishing media         16.1       Accohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         17.       Firefighting measures       I ho case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. <td></td> <td></td> <td></td> <td></td>				
1.       Description of first aid measures         irst-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.         irst-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.         irst-aid measures after eye contact       : Wash with plenty of scap and water. Get medical advice/attention.         irst-aid measures after eye contact       : Immediately flush eyes thoroughly with water for at leases 16 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, Get medical advice/attention.         :irst-aid measures after ingestion       : Do NOT induce vontiling. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         :2.0       Most important symptoms and effects, both acute and delayed         ymptoms/njuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         :3.1       Indication of any immediate medical attention and special treatment needed         ieta symptoma/injuries       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media apprintiat for surrounding fire.         :uitable extinguishing media       : Alcohol resistant foar. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire. <t< td=""><td></td><td></td><td></td><td></td></t<>				
irst-aid measures general       : In case of accident or if you feel unvell, seek medical advice immediately (show the label where possible). More the affectad personnel away from the contaminated area.         irst-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing, if not breathing, give artificial respiration. Get medical advice/attention.         irst-aid measures after eye contact       : Wash with peny of scop and water. Get medical advice/attention.         irst-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 finsing. Get medical advice/attention.         irst-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.         irst-aid measures after ingestion       : Do NOT induce vonting. Nown symptoms and effects, both acute and delayed         iymptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         .3.       Indication of any immediate medical attention and special treatment needed         teat symptoms/injuries       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         .2.       Special hazards arising from the substance or mixture         ireflything instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.				
where possible). Move the affected personnel away from the contaminated area.           irist-aid measures after inhalation         : Remove person to fresh air and keep comfortable for breathing, find breathing, give attificial respiration. Get medical advice/attention.           irist-aid measures after skin contact         : Wash with plenty of scap and water. Get medical advice/attention.           irist-aid measures after skin contact         : Wash with plenty of scap and water. Get medical advice/attention.           irist-aid measures after skin contact         : Wash with plenty of scap and water. Get medical advice/attention.           irist-aid measures after skin contact         : Wash with plenty of scap and water. Get medical advice/attention.           irist-aid measures after symptoms and effects, both acute and delayed         : mouth out with water. Get medical advice/attention.           irist-aid measures after ingestion         : Do NOT induce vorning, Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.           irist-aid measures after ingestion         : Do NOT induce vorning, Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.           irist-aid measures after ingestion         : Do NOT induce vorning, Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.           ::2: and/com of any immediate medical attention and special treatment needed         :2: and/com section 11.           ::1: Correling instructions		In case of accident or if you feel unwell se	ek medical advice i	mmediately (show the label
respiration. Get medical advice/attention.         irst-aid measures after skin contact       : Wash with plenty of soap and water. Get medical advice/attention.         irst-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.         irst-aid measures after ingestion       : Do NOT induce voniting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.         2.2       Most important symptoms and effects, both acute and delayed         iymptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         2.3       Indication of any immediate medical attention and special treatment needed         reat symptomatically.       :         EECTION 5: Firefighting measures       :         4.1       Extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         :2.2       Special hazards arising from the substance or mixture       :         ire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         :xiposion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         :3.       Advice for firefighters       : In case	not dia maddinos general			
irst-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.         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.         2.       Most important symptoms and effects, both acute and delayed         ymptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         3.       Indication of any immediate medical attention and special treatment needed         reat symptomatically.       ECTION 5: Friefighting measures         4.1       Extinguishing media         witable extinguishing media       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         2.2       Special hazards arising from the substance or mixture         irefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         sortal measures       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         rotection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         ECTION 6: Accidental release measures       :	irst-aid measures after inhalation		ortable for breathin	g. If not breathing, give artificial
present and easy to do. Continue rinsing. 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.         2. Most important symptoms and effects, both acute and delayed       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         3. Indication of any immediate medical attention and special treatment needed       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         2. Special hazards arising from the substance or mixture       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         3. Advice for firefighters       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         ireitiging instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         ireiteding instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         exercise of firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         3. Advice for firefighters       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         ireating instructions       : In case of fire: Evacuate area. Fight	irst-aid measures after skin contact	: Wash with plenty of soap and water. Get m	edical advice/atten	tion.
mouth out with water. Get medical advice/attention.           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 1.2.2) and/or in section 11.           3.         Indication of any immediate medical attention and special treatment needed           reat symptomatically.         Section 11.           SECTION 5: Firefighting 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         : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.           special hazard         : The rine of fire: Evacuate area. Fight fire remotely due to the risk of explosion.           special hazard         : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.           special nature firefighting         : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".           Section during firefighting         : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breath gas, furnes, vapor or spray.           special measures         : Evacuate unnecessary personnel equipped with suitable protective equipment may intervene.           structure <thon action="" on="" protec<="" suitable="" take="" tatempt="" td="" to="" without=""><td>irst-aid measures after eye contact</td><td></td><td></td><td></td></thon>	irst-aid measures after eye contact			
symptoms/injuries       : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.         .3.       Indication of any immediate medical attention and special treatment needed         reat symptomatically.         SECTION 5: Firefighting measures         .1.       Extinguishing media         .2.       Special hazards arising from the substance or mixture         ire hazard       : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.         .2.       Special hazards arising from the substance or mixture         ire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         xplosion hazard       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         : Uredighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         EECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         1.1. For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         .1.2. For emergency responders       : Only qualifi	irst-aid measures after ingestion			unconscious person. Rinse
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: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.  5: Special hazards arising from the substance or mixture  5: Special hazards arising from the substance or mixture  5: Special hazards arising from the substance or mixture  5: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.  5: Advice for firefighters  5: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.  5: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".  5: Certion 6: Accidental release measures  5: Personal precautions, protective equipment and emergency procedures  5: Conly qualified personnel equipped with suitable protective equipment may intervene.  5: Contractioners  5: Contra	.2. Most important symptoms and effe	cts, both acute and delayed		
Treat symptomatically.         SECTION 5: Firefighting media         Auitable extinguishing media         Suitable extinguishing media         Special hazards arising from the substance or mixture         Tree hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Special hazards arising from the substance or mixture         Tire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Sixplosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         Advice for firefighters       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         rotection during firefighting       : Urear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         1.1. For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         st.1. For emergency responders       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	Symptoms/injuries		effects are describe	ed in the labelling (see section
SECTION 5: Firefighting measures         5.1. Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         5.3. Advice for firefighters       :         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         8.1. Personal precautions, protective equipment and emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         8.1.1. For non-emergency personnel       : On tattempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         Sentered measures       : On to attempt to take action without suitable protective equipment. For further information refer to sectio	4.3. Indication of any immediate medica	l attention and special treatment needed		
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: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         6.1.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable 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 protection".	Freat symptomatically.			
Builtable extinguishing media       : 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         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         13.       Advice for firefighters         irrefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         A1.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         intergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	SECTION 5: Firefighting measures			
appropriate for surrounding fire.         i.2.       Special hazards arising from the substance or mixture         Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         i.3.       Advice for firefighters       ::         i:refighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         i.1.       For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         i.1.2.       For emergency responders       : Only qualified personnel equipped with suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	5.1. Extinguishing media			
Fire hazard       : Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.         Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         5.3.       Advice for firefighters         Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         S.1.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         S.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".	uitable extinguishing media		y powder. Water sp	ray. Use extinguishing media
Explosion hazard       : Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.         .3. Advice for firefighters       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary procedures         .1. Personal precautions, protective equipment and emergency procedures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         .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. Special hazards arising from the su	bstance or mixture		
containers.			oxides. Hydrogen	chloride. Hydrogen fluoride.
Firefighting instructions       : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.         Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         Sc1.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         Sc1.2.       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".	Explosion hazard	•	ent. Use water spra	ay or fog for cooling exposed
Protection during firefighting       : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures       : Personal precautions, protective equipment and emergency procedures         Sch.       Personal precautions, protective equipment and emergency procedures         Sch.1.       For non-emergency personnel         Emergency procedures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         Sch.1.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         Sch.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".	3. Advice for firefighters			
apparatus. For further information refer to section 8: "Exposure controls/personal protection".         SECTION 6: Accidental release measures         attack         Seneral measures         Exacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         attack         attack         constrained         constattempt to take action without suitable protective equipment. For		-	•	•
Baseline       Personal precautions, protective equipment and emergency procedures         General measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         6.1.1.       For non-emergency personnel         Emergency procedures       : Only qualified personnel equipped with suitable protective equipment may intervene.         6.1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	Protection during firefighting			
General measures       : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.         6.1.1. For non-emergency personnel       : Only qualified personnel equipped with suitable protective equipment may intervene.         6.1.2. For emergency responders       : 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 protection".				
6.1.1. For non-emergency personnel         Emergency procedures         5.1.2. 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".				dian Danathanail 1
<ul> <li>Construction</li> <li>Const</li></ul>	Jeneral measures		adequate air ventila	ation. Do not breathe gas, fumes,
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".	6.1.1. For non-emergency personnel			
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	mergency procedures	: Only qualified personnel equipped with sui	able protective equ	ipment may intervene.
refer to section 8: "Exposure controls/personal protection".	<b>5.1.2.</b> For emergency responders			
	Protective equipment			ment. For further information
	0/00/0010			

# **3'-Chloro-5'-(trifluoromethoxy)acetophenone** Safety Data Sheet

Emerger	ncy procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2.	Environmental precautions	
Avoid re	lease to the environment. Notify au	thorities if product enters sewers or public waters.
6.3.	Methods and material for conta	ainment and cleaning up
For cont	ainment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods	s 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 inf	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No addit	tional information available	
SECTI	ON 7: Handling and stora	ge
7.1.	Precautions for safe handling	
Precauti	ons 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, in	cluding any incompatibilities
Tochnic	al measures	: Comply with applicable regulations.

Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage area	: Store in dry, cool, well-ventilated area.

# SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

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

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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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	: 238.59 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

SECTIO	DN 10: Stability and reactivity
10.1.	Reactivity
No additio	onal information available
10.2.	Chemical stability
The produ	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additio	onal information available
10.4.	Conditions to avoid
Keep awa	ay from heat, sparks and flame.
10.5.	Incompatible materials
Ũ	xidizing agents.
10.6.	Hazardous decomposition products
Under no fire, see S	rmal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.

**SECTION 11: Toxicological information** 

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated	<ul> <li>Not classified</li> <li>May cause respiratory irritation.</li> <li>Not classified</li> </ul>
exposure) Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information			
12.1.	Toxicity			
No additi	onal information available			
12.2.	Persistence and degradability			
No additi	onal information available			
12.3.	Bioaccumulative potential			
No additi	onal information available			
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#### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considera 13.1. Waste treatment methods	
Naste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubb
Naste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport informat	ion
Department of Transportation (DOT)	
n accordance with DOT	
Not regulated for transport	
TDG	
No additional information available	
Transport by sea	
No additional information available	
Air transport	
lo additional information available	
SECTION 15: Regulatory informa	tion
15.1. US Federal regulations	
All components of this product are listed, of Substances Control Act (TSCA) inventory	or excluded from listing, on the United States Environmental Protection Agency Toxic except for:
3'-Chloro-5'-(trifluoromethoxy)acetopheno	ne CAS No 886503-42-0 100%
	toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in quirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1
15.2. International regulations	
CANADA	
No additional information available	
EU-Regulations	
No additional information available	
lational regulations	

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

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 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.