

Safety Data Sheet 1100701 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/10/2016 Version: 1.0

1.1. Identification Product form : Substance Substance name : Chioroflucoromethane CAS No : 959-70-4 Product code : 1100-701 Formula : CH2CIF Other means of identified uses of the substance or mixture and uses advised against Use of the substance/mixture 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 SymOuse Laboratories, Inc. PO. Box 309 Nachura, FL. 32615 - United States of America Training/supression and cause rapid sufficaction 1.4. Emergency telephone number : (844) 523-4086 (3E Company - Account 10069) ESECTION 2: Hazard(s) Identification : : Cause series in intation 1.4. Emergency telephone number : : (844) 523-4086 (3E Company - Account 10069) ESECTION 2: Hazard(s) Identification : : (844) 523-4086 (3E Company - Account 10069) ESECTION 2: Hazard(s) Identification : : (841) 523-4086 (3E Company - Account 10069) ESECTION 2: Hazard(s) Identification : : (841) 523-4086 (3E Company - Account 10069)	SECTION 1: Identification	
Product form : Substance Substance name : Chiorobucomethane CAS No : : CAS No : : Product code : : Formula : : Other means of identification : : 12. Relevant Identification : : 13. Details of the suppler of the safety data sheet : : Symbules Lubrotories, Inc. : : : : PO. Box 309 : : : : : Machua, F. 123615 - United States of America :		
Substance name : Chlorofluoromethane CAS No : S93-70-4 CAS No : S93-70-4 Product code : I100-7-01 Formula : CH2C/F Coher mans of identification : MCC000040114 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.3. Details of the supplier of the safety data sheet SynCuest Laboratories, Inc. P.O. Den 300 Alexhua, F1, 32615 - United States of America Tragel 442, 0786 - 7487 Machage F (286) 442, 0787 Machage F (286) 442, 0787 Mac		
CAS No : 593-70-4 Product code : 1100-7-01 Formula : CH2CIF Cher means of identification : MFC000000114 1.2. Relevant identified uses of the substance 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 Synchese Laboratory chemicals Manufacture of substances Scientific research and development 1.4. Emergency telephone number Emergency number : (844) 523-4066 (3E Company - Account 10069) SECTION 2: Hazard (36) identification 1.4. Emergency telephone number Emergency number : (844) 523-4066 (3E Company - Account 10069) SECTION 2: Hazard (36) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Simple Agaby Lucelled gas Actual Tox. 4 (Inhaladorugas) H320 - May displace oxygen and cause rapid suffocation Lucelled gas Actual Tox. 4 (Inhaladorugas) H320 - Contains gas under pressure: may explode if heated Actual Tox. 4 (Inhaladorugas) H320 - Contains gas under pressure: may explode if heated H320 - Contains gas under pressure: may explode if heated H320 - Contains gas under pressure: may explode if heated H320 - May displace oxygen and cause rapid suffocation Lucelled gas H320 - H330 - May cause services with irritation STOT SE 3 H335 - May cause respiratory irritation Consol + H420 - Haming public heath and the environment by destroying czone in the upper atmosphere Full ext of H-phrases: see section 16 2.2. Label elements CH3-51 Shobing Hazard statements (GHS-US) Signel word (GHS-US) Field State H-phrases: see section 16 2.4. Label elements 2.6. Adv ming Hazard statements (GHS-US) Field State H-phrases: see section 16 2.7. 1. Adv H319 - Causes skin irritation H320 - Harms public heath and the environment by destroying czone in the upper atmosphere H330 - May classe ensciency of irritation H330 - May classe ensciency of irritation H330 - May classe enscienc		
Product code : 1100-7-01 Formula : CH2C/F Formula : CH2C/F Cher means of identification : MFCCD0040114 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data baset Socientific research and development 1.3 Details of the supplier of the safety data baset SynCuset Laboratories, Inc. P.O. Box 300 Alachua, FL 32615 - United States of America T 3(38) 442-7085 - F (38) 442-7087 Info@Syncussilabs.com : www.syncussilabs.com 1.4. Energency telephone number Emergency number : (844) 523-4086 (38: Company - Account 10069) SECTION 2: Hazard(6) identification 2.1 Classification of the substance or mixture Classification of the substance or mixture Classific		
Formula : CH2CJF Other means of identification : MFCD00040114 12. Relevant identification : MFCD0040114 Use of the substance/mixture : Laboratory chemicals Manufacture of outbatmones Scientific research and development : 13. Details of the supplier of the safety data sheet SynCurest Laboratories, Inc. : : 90.0 803.00 Machua FL 32615 - United States of America T (386) 462-0789 - F (386) 462-7097 info@2aynquestables.com : : 14. Emergency telephone number : : : Emergency telephone number : : : : Statistication (GHS-US) : : : : : : Statistication (GHS-US) :		
Other means of identification : MFCD00040114 1.2. Relevant identified uses of the substance 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 SynCuest Laboratories, Inc. PO. Box 309 Alachus, FJ. 32615 - United States of America T (38) 442:0785 + 7 (38) 442:0787 If A. Emergency tolephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) Stepting of the substance or mixture Classification (GHS-US) Simple Asphy H390 - May displace oxygen and cause rapid suffocation Liquefied gas Actue Tox 4 (Inhalatoring) Stor FL3 H390 - May displace oxygen and cause rapid suffocation H290 - Contains gas under pressure; may explode if heated Acute Tox 4 (Inhalatoring) Stor FL3 Stor H1 - Phrases: see section 16 E E2. Labole lements CH5U-SI blabeling : Warning Hazard pictograms (GHS-US) : Warning Signal word (GHS-US) : Warning Hazard statements (GHS-US) : Warning Flazard statements (GHS-US) : Warning Hazard pictograms (GHS-US) : Warning Hazard pictograms (GHS-US) : Warning		
1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture i Laboratory chemicals Manufacture of substances Scientific research and development 1.3. Details of the suppler of the aafety data sheet SynCuest Laboratories. Inc. P.O. 80X 309 Review Site of the substance of the substance of substances Machua, FL 25815 - United States of America Represent the substance of the substance of mixture 1.4. Emergency telephone number Energency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification Classification of the substance or mixture Classification (GHS-US) H390 - May displace oxygen and cause rapid suffocation Liquelified gas H391 - Causes series ever irritation Syn Int 2 H315 - Causes serious ever irritation Stor IF 2: Label elements GHS-US GHS-US labeling Hazard statements (GHS-US) Hazard statements (GHS-US) Hazard statements (GHS-US) Hazard statements (GHS-US) <td></td> <td></td>		
Use of the substance/mixture : Laboratory chemicals Manufacture of substances Scientific research and development 1.0. Details of the supplier of the safety data sheet SynOuese Laboratorines, In P.O. Box 309 Abchua, FL 32615 - United States of America T (386) 462-0783 - F (386) 462-7097 TribiodSavnouestables.com - uwww.synuestables.com 1.4. Emergency telephone number Emergency number : (B44) 523-4086 (3E Company - Account 10069) SECION 2: Hazard(5) identification Classification of the substance or mixture Classification (CHS-US) Simple Asphy H320 - Harmful if inhaled Sim Int? 2 Martine Save Serious eye initiation Eye Int? 2A H319 - Causes serious eye initiation Eye Int? 2A H319 - Causes serious eye initiation Cause 1 H420 - Harms public health and the environment by destroying azone in the upper atmosphere Full text of H-phrases: see section 16 21. Label elements 21. Label elements Signal word (CHS-US) Signal word (CHS-US) Field Statements (CHS-US) Field Stateme		
Manufacture of substances Scientific research and development 1.3. Details of the supplier of the safety data sheet SynClusest Laboratories, Inc. PO. Box 300 Manuar, FL 32815 - United States of America T (380) 462-0758 - F(386) 462-07097 Info@SynclusestBabs.com - yww.synclusestBabs.com 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 mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas Aute Tox: (Inhalation;gas) H323 - Marm(ii Inhaled Sim Int.) H315 - Causes serious eye irritation STOT 52 3 Yey Inti. 2 H319 - Causes serious eye irritation Cure 1 H420 - Hams public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 2.2. Label elements Signal word (GHS-US) : Warning Hazard statements (GHS-US) Signal word (GHS-US) : Warning Hazard statements (GHS-US) Flags - O contains gas under pressure; may explode if heated H315 - Causes skin irritation H319 - Gauses skin urritation H319 - Gauses sk		
SynCluseLlaboratories, Inc. P.O. Box 309 Alachus, FL 32615 - United States of America T (386) 462-7097 T (386) 462-7097 File (386) 462-7097 Info@2sincluselabs.com - www.singuestlabs.com (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(5) Identification 21. Classification of the substance or mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gat H290 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation;gas) H335 - Harmful if Inhaled SynCluse is estimation GHS-US Stim Int. 2 H315 - Causes serious eye irritation Eye Int. 2A H315 - Causes serious eye irritation Stor 5 - 3 H335 - May cause respiratory irritation Core 1 H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 EVENT 2.2 Label elements GHS-US labeling H320 - Contains gas under pressure; may explode if heated Hazard statements (GHS-US) I: Warning Hazard statements (GHS-US) I: Accues station seq were initiation H330 - May causer sepiratory irit	Use of the substance/mixture	Manufacture of substances
P.O. Box 309 Machua, F. 12815 - United States of America T (386) 462-7088 - F (386) 462-7097 Info@gevinguestabs.com - www.snguestabs.com 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 mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas H220 - Contains gas under pressure; may explode if heated Acute Tox 4 (Inhalation-gas) H315 - Causes skin initiation Stin Irt 2 H315 - Causes skin initiation STOT SE 3 H332 - Harmitul if inhaled Cortan H32 - V Armitul if inhaled Gestry Fyel Irtt 2A H315 - Causes skin initiation STOT SE 3 H335 - May cause respiratory iritation Cortan H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 2.2. Label elements GHS-US) : Warming Hazard pictograms (GHS-US) : Warming Hazard statements (GHS-US) : Warming Hazard statements (GHS-US) : P261 - Avoid breatintin finaled	1.3. Details of the supplier	the safety data sheet
Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Simple Asphy H300 - May displace oxygen and cause rapid suffocation Liquefied gas H200 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:gas) H312 - Harmful if inhaled Skin Inti. 2 Year H319 - Causes skin initiation Eye Inti. 2A H319 - Causes skin initiation STOT SE 3 H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation Store 1 H20 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Hazard statements (GHS-US) Fazard statements (GHS-US) Frecautionary statements (GHS-US) Precautionary statements (GHS-US) Fight - Causes skin irritation H320 - Contains gas under pressure; may explode if heated H335 - Causes skin irritation H330 - Couse serious eye irritation H330 - Causes skin irritation H330 - May displace oxygen and cause rapid suffocation H420 - Harms public health and the environment by destroying ozone in the upper atmosphene Precautionary statements (GHS-US) Fight - Avoid breathing furnes, gas, mist, syrary, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wash s	P.O. Box 309 Alachua, FL 32615 - United State T (386) 462-0788 - F (386) 462-7 info@synquestlabs.com - www.sy	7 juestlabs.com
SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas H280 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:gas) H312 - Lammful if inhaled Skin Irit. 2 H315 - Causes skin iritation Eye Irit. 2 H315 - Causes skin iritation STOT SE 3 H325 - May cause respiratory irritation Ozone 1 H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 EXECUTION (GHS-US) Signal word (GHS-US) : Varning Hazard statements (GHS-US) : Varning Hazard statements (GHS-US) : Warning Precautionary statements (GHS-US) : P260 - Contains gas under pressure; may explode if heated H323 - Harmful if inhaled H333 - May cause respiratory irritation H339 - Causes skin irritation H319 - Causes skin irritation H319 - Causes skin irritation H319 - Causes skin irritation H332 - Marmful if inhaled H335 - May cause respiratory irritation		
2.1. Classification of the substance or mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefed gas H280 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:gas) H332 - Harmful if inhaled Skin Irrit. 2 H315 - Causes serious eye irritation System H335 - May cause respiratory irritation STOT SE 3 H335 - May cause respiratory irritation Cozone 1 H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : Signal word (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : Hazard statements (GHS-US) : Precautionary statements (GHS-US) : <tr< td=""><td>Emergency number</td><td>: (844) 523-4086 (3E Company - Account 10069)</td></tr<>	Emergency number	: (844) 523-4086 (3E Company - Account 10069)
2.1. Classification of the substance or mixture Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas H280 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:gas) H332 - Harmful If inhaled Skin Irrit. 2 H315 - Causes serious eye irritation Strong To	SECTION 2: Hazard(s) ide	tification
Classification (GHS-US) Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas H280 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:29) H315 - Causes serious eye irritation Skin Int. 2 H315 - Causes serious eye irritation Syn JP - Causes serious eye irritation Strintion Stor SE 3 H335 - May cause respiratory irritation Ozone 1 H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 E 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H332 - Harmful if inhaled H33 - Vavid breathing numery explode if heated H315 - Causes skin irritation H332 - Harmful if inhaled H33 - May displace oxygen and cause rapid suffocation H420 - Harms public heath and the environment by destroying ozone in the upper atmosphere H220 - Vear protective global protection face protection P264 - Wash skin thoroughy after handing P271 - Use only outdoors or in a well		
Simple Asphy H380 - May displace oxygen and cause rapid suffocation Liquefied gas H280 - Contains gas under pressure; may explode if heated Acute Tox. 4 (Inhalation:gas) H3315 - Causes skin irritation Skin Irrit. 2 H315 - Causes serious eye irritation Syn Irrit. 2 H315 - Causes serious eye irritation STOT SE 3 H335 - May cause respiratory irritation Ozone 1 H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated H332 - Harmful if inhaled H333 - May cause respiratory irritation H338 - May cause respiratory irritation H380 - May displace oxygen and cause rapid suffocation H32 - Harmful if inhaled H335 - May cause respiratory irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H380 - May displace oxygen and cause rapid suffocation H380 - May displace oxygen and cause rapid suffocation H32 - Harmful if inhaled H3		
2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : : : : : : : : : : : : : : : : : : :	Liquefied gas H Acute Tox. 4 (Inhalation:gas) H Skin Irrit. 2 H Eye Irrit. 2A H STOT SE 3 H Ozone 1 H	 0 - Contains gas under pressure; may explode if heated 2 - Harmful if inhaled 5 - Causes skin irritation 9 - Causes serious eye irritation 5 - May cause respiratory irritation 0 - Harms public health and the environment by destroying ozone in the upper atmosphere
GHS-US labeling Hazard pictograms (GHS-US) :	Full text of H-phrases: see section	6
Hazard pictograms (GHS-US) :	2.2. Label elements	
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H319 - Causes serious eye irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H330 - May displace oxygen and cause rapid suffocation H320 - Harms public health and the environment by destroying ozone in the upper atmosphere H420 - Harms public health and the environment by destroying ozone in the upper atmosphere Precautionary statements (GHS-US) Precautionary statements (GHS-US) : P261 - Avoid breathing fumes, gas, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P3540 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove con	GHS-US labeling	
 Hazard statements (GHS-US) H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H380 - May displace oxygen and cause rapid suffocation H420 - Harms public health and the environment by destroying ozone in the upper atmosphe H420 - Harms public health and the environment by destroying ozone in the upper atmosphe Precautionary statements (GHS-US) P261 - Avoid breathing fumes, gas, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove con 		
 H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation H380 - May displace oxygen and cause rapid suffocation H420 - Harms public health and the environment by destroying ozone in the upper atmosphe Precautionary statements (GHS-US) P261 - Avoid breathing fumes, gas, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove con 	8 ()	0
Precautionary statements (GHS-US) : P261 - Avoid breathing fumes, gas, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove con	Hazard statements (GHS-US)	H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H335 - May cause respiratory irritation
P312 - Call a POISON CENTER or doctor/physician if you feel unwell	Precautionary statements (GHS-L) : P261 - Avoid breathing fumes, gas, mist, spray, vapors P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

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0.0		P333 P33 P362 P403 P403 P403 P410 P50	 Specific treatment (see supplemental 2+P313 - If skin irritation occurs: Get med 7+P313 - If eye irritation persists: Get me 2+P364 - Take off contaminated clothing 3+P233 - Store in a well-ventilated place. Store locked up 9+P403 - Protect from sunlight. Store in a 1 - Dispose of contents/container to an ap 2 - Refer to manufacturer/supplier for info 	lical advice/atter dical advice/atte and wash it befor Keep container well-ventilated oproved waste d	ntion ntion ore reuse tightly closed place isposal plant
2.3. Othor h	Other hazards nazards not contributing to the	: Mov	cause frostbite.		
classific		. May	cause nosibile.		
2.4.	Unknown acute toxicity (GHS US)				
Not app	olicable				
SECT	ION 3: Composition/informati	on on iı	ngredients		
3.1.	Substance				
Substar	nce type	: Mon	o-constituent		
Name	9		Product identifier	%	Classification (GHS-US)
	rfluoromethane onstituent)		(CAS No) 593-70-4	<= 100	Simple Asphy, H380 Liquefied gas, H280 Acute Tox. 4 (Inhalation:gas), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Ozone 1, H420
Full text	t of H-phrases: see section 16				
3.2.	Mixture				
Not app	olicable				
SECT	ION 4: First aid measures				
4.1.	Description of first aid measures				
	d measures general	whe	ase of accident or if you feel unwell, seek re possible). Move the affected personne	away from the	contaminated area.
	d measures after inhalation d measures after skin contact	resp	ove person to fresh air and keep comfort iration. Get immediate medical advice/att v frosted parts with lukewarm water. Do r	ention.	
	d measures after eye contact	advi : Rem	ce/attention. love contact lenses, if present and easy t	o do. Continue r	insing. Immediately flush eyes
			bughly with water for at least 15 minutes. to its physical form, exposure to this che	mical is not likely	
First-aic	d measures after ingestion	give	anything by mouth to an unconscious pe ce/attention.	rson. Rinse mou	
	Ŭ	give advi	ce/attention.	rson. Rinse mou	
4.2.	d measures after ingestion Most important symptoms and effe oms/injuries	give advie ects, both : The	ce/attention.		ith out with water. Get medical
<mark>4.2.</mark> Sympto	Most important symptoms and effe	give advie ects, both : The 2.2)	ce/attention. acute and delayed most important known symptoms and effi		ith out with water. Get medical
4.2. Sympto Sympto	Most important symptoms and effeoms/injuries	give advie ects, both : The 2.2) : May	ce/attention. acute and delayed most important known symptoms and eff and/or in section 11.	ects are describ	ith out with water. Get medical
<mark>4.2.</mark> Sympto Sympto Sympto	Most important symptoms and effeoms/injuries	give advisent advisent advisen	ce/attention. acute and delayed most important known symptoms and eff and/or in section 11. cause drowsiness or dizziness.	ects are describ rns/frostbite.	ed in the labelling (see section
4.2. Sympto Sympto Sympto Sympto	Most important symptoms and effer oms/injuries oms/injuries after inhalation oms/injuries after skin contact	give advicent advicent advicen	ce/attention. acute and delayed most important known symptoms and effi and/or in section 11. cause drowsiness or dizziness. fact with the liquid the may cause cold but ct contact with the liquefied gas may cause by bit from rapid liquid evaporation.	ects are describ rns/frostbite.	ed in the labelling (see section
4.2. Sympto Sympto Sympto Sympto 4.3.	Most important symptoms and efferoms/injuries oms/injuries after inhalation oms/injuries after skin contact oms/injuries after eye contact	give advicent advicent advicen	ce/attention. acute and delayed most important known symptoms and effi and/or in section 11. cause drowsiness or dizziness. fact with the liquid the may cause cold but ct contact with the liquefied gas may cause by bit from rapid liquid evaporation.	ects are describ rns/frostbite.	ed in the labelling (see section
4.2. Sympto Sympto Sympto Sympto 4.3. No addi	Most important symptoms and efferoms/injuries oms/injuries after inhalation oms/injuries after skin contact oms/injuries after eye contact	give advicent advicent advicen	ce/attention. acute and delayed most important known symptoms and effi and/or in section 11. cause drowsiness or dizziness. fact with the liquid the may cause cold but ct contact with the liquefied gas may cause by bit from rapid liquid evaporation.	ects are describ rns/frostbite.	ed in the labelling (see section
4.2. Sympto Sympto Sympto 4.3. No addi	Most important symptoms and effer oms/injuries oms/injuries after inhalation oms/injuries after skin contact oms/injuries after eye contact Indication of any immediate medic itional information available	give advicent advicent advicen	ce/attention. acute and delayed most important known symptoms and effi and/or in section 11. cause drowsiness or dizziness. fact with the liquid the may cause cold but ct contact with the liquefied gas may cause by bit from rapid liquid evaporation.	ects are describ rns/frostbite.	ed in the labelling (see section
4.2. Sympto Sympto Sympto 4.3. No addi SECT 5.1.	Most important symptoms and efferoms/injuries oms/injuries after inhalation oms/injuries after skin contact oms/injuries after eye contact Indication of any immediate medic litional information available	give advice ects, both : The 2.2) : May : Cont : Director to from al attention : Alco	ce/attention. acute and delayed most important known symptoms and effi and/or in section 11. cause drowsiness or dizziness. fact with the liquid the may cause cold but ct contact with the liquefied gas may cause by bit from rapid liquid evaporation.	ects are describe rns/frostbite. se severe and po	ith out with water. Get medical ed in the labelling (see section ossibly permanent eye injury due
4.2. Sympto Sympto Sympto Sympto 4.3. No addi SECT 5.1. Suitable	Most important symptoms and efferences of the oms/injuries after inhalation orms/injuries after skin contact orms/injuries after eye contact Indication of any immediate medic litional information available TON 5: Firefighting measures Extinguishing media	give advie ccts, both : The 2.2) : May : Cont : Directo to fro al attention : Alco appr	ce/attention. acute and delayed most important known symptoms and effe and/or in section 11. cause drowsiness or dizziness. tact with the liquid the may cause cold bu ct contact with the liquefied gas may cause ostbite from rapid liquid evaporation. on and special treatment needed hol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	ects are describe rns/frostbite. se severe and po	ith out with water. Get medical ed in the labelling (see section ossibly permanent eye injury due
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Explosion hazard	: Contains gas under pressure; may explode if heated. 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".

6.1. Personal precautions, protective equipment and emergency procedures Ceneral measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. May cause suffocation by reducing oxygen available for breathing. 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". Emergency procedures : Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. 6.2. Environmental proceautions Avoid release to the environment. Notify authorities if product enters severs or public waters. 6.3. Methods and material for containment and cleaning up For containment : Stop leak if safe to do so. Methods for cleaning up : Ventilate area. Other information : For disposal of solid materials or residues refer to section 13 : "Disposal considerations". 6.4. Reference to other sections No additional information available Execurition of the work station. Do not pierce or burn, even after use. Close valve after each use and when empty.					
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SECTION 8: Exposure controls/personal protection	Incompatible materials	: Refer to Section 10 on Incompatible Materials.			
	Storage area	: Store in dry, cool, well-ventilated area.			
	SECTION 8: Exposure controls/perso	onal protection			
8.1. Control parameters	8.1. Control parameters				

No additional information available

8.2. Exposure controls			
Appropriate engineering controls	should be available in the imm	work station. Emergency eye wash fountains a rediate vicinity of any potential exposure. Syste checked for leakage. Oxygen detectors should leased.	ms under
Hand protection	: Protective gloves. 29 CFR 19	0.138: Hand Protection.	
Eye protection	: Chemical goggles or safety gl	asses. Face shield. 29 CFR 1910.133: Eye and	Face Protection.
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e e ,	
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Thermal hazard protection	: Cold insulating gloves.
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	: -133 °C
Freezing point	: No data available
Boiling point	: -9.1 °C
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
Specific gravity / density	: 1.271 g/ml (@ 20 °C)
Molecular mass	: 68.48 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

Other information 9.2.

No additional information available

SECTION 10: Stability and reactivity

40.4			
10.1.	Reactivity		
No addi	tional information available		
10.2.	Chemical stability		
The pro	duct is stable at normal handling and storage conditions.		
10.3.	Possibility of hazardous reactions		
No addi	No additional information available		
10.4.	Conditions to avoid		
Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Keep away from heat, sparks and flame.			
10.5.	Incompatible materials		

Alkali metals. Finely divided metals (Al, Mg, Zn). Strong bases. Strong oxidizing agents.

Hazardous decomposition products 10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Inhalation:gas: Harmful if inhaled.
Chlorofluoromethane (593-70-4)	
LC50 inhalation rat (ppm)	4500 ppm/4h
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
Chlorofluoromethane (593-70-4)	
IARC group	3 - Not classifiable
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
Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Contact with the liquid the may cause cold burns/frostbite.
Symptoms/injuries after eye contact	: Direct contact with the liquefied gas may cause severe and possibly permanent eye injury due to frostbite from rapid liquid evaporation.
SECTION 12: Ecological information	h

12.1.	Toxicity		
No addit	No additional information available		
12.2.	Persistence and degradability		
No addit	tional information available		
12.3.	Bioaccumulative potential		
No addit	No additional information available		
12.4.	Mobility in soil		
No addit	No additional information available		
12.5.	Other adverse effects		

Other information

: Class II ozone-depleting substance.

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.	
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informa	tion	

Department of Transportation (DOT) In accordance with DOT Transport document description	: UN3163 Liquefied gas, n.o.s., 2.2
UN-No.(DOT) Proper Shipping Name (DOT) Transport hazard class(es) (DOT)	 : UN3163 : Liquefied gas, n.o.s. : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115

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Hazard labels (DOT)	: 2.2 - Non-flammable gas
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 304
DOT Packaging Bulk (49 CFR 173.xxx)	: 314;315
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	: T50 - When portable tank instruction T50 is referenced in Column (7) of the 172.101 Table, the applicable liquefied compressed gases are authorized to be transported in portable tanks in accordance with the requirements of 173.313 of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 3163
Proper Shipping Name (IMDG)	: LIQUEFIED GAS, N.O.S.
Class (IMDG)	: 2 - Gases
Air transport	
UN-No. (IATA)	: 3163
Proper Shipping Name (IATA)	: Liquefied gas, n.o.s.
Class (IATA)	: 2
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:

Chlorofluoromethane	CAS No 593-70-4	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		
Chlorofluoromethane (593-70-4)		
WHMIS Classification	Class A - Compressed Gas	

EU-Regulations

No additional information available

National regulations		
	Chlorofluoromethane (593-70-4)	
Listed on the Japanese ISHL (Industrial Safety and Health Law)		
	Listed on NZIoC (New Zealand Inventory of Chemicals)	

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

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

SECTION 16: Other information

Full text of H-phrases:

Acute toxicity (inhalation:gas) Category 4
Serious eye damage/eye irritation Category 2A
Gases under pressure Liquefied gas
Hazardous to the ozone layer Category 1
Simple Asphyxiant
Skin corrosion/irritation Category 2
Specific target organ toxicity (single exposure) Category 3
Contains gas under pressure; may explode if heated
Causes skin irritation
Causes serious eye irritation
Harmful if inhaled
May cause respiratory irritation
May displace oxygen and cause rapid suffocation
Harms public health and the environment by destroying ozone in the upper atmosphere

NFPA health hazard

: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

: 0 - Normally stable, even under fire exposure conditions,

NFPA fire hazard NFPA reactivity

HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
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.

: 0 - Materials that will not burn.

and are not reactive with water.

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.

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