

3-Chloro-3,3-difluoroprop-1-ene Safety Data Sheet 1300740 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 3-Chloro-3,3-difluoroprop-1-ene
CAS No	: 421-03-4
Product code	: 1300-7-40
Formula	: C3H3CIF2
Synonyms	: 3,3-Difluoro-3-chloro-1-propene; HCFC-1242zf
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 sa	ifety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab 1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificat	tion
2.1. Classification of the substance	or mixture
Classification (GHS-US)	
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati	
Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira	ion ye irritation ness or dizziness
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16	ion ye irritation ness or dizziness
Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16	ion ye irritation ness or dizziness
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	ion ye irritation iness or dizziness atory irritation
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	ion ye irritation iness or dizziness atory irritation : GHS04 GHS04 GHS07 : Warning
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	ion ye irritation iness or dizziness atory irritation
Liquefied gas H280 - Contains gas unde Skin Irrit. 2 H315 - Causes skin irritati Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H336 - May cause drowsi STOT SE 3 H335 - May cause respira Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	ion ye irritation ness or dizziness atory irritation

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

	P321 P332 P337 P362 P377 P381 P403 P403 P405 P410	 Call a POISON CENTER or doctor/ Specific treatment (see supplement P313 - If skin irritation occurs: Get m P313 - If eye irritation persists: Get n P364 - Take off contaminated clothir Leaking gas fire: Do not extinguish, Eliminate all ignition sources if safe Store in a well-ventilated place P303 - Store in a well-ventilated place Store locked up P403 - Protect from sunlight. Store in Dispose of contents/container to an 	al first aid instruct nedical advice/att nedical advice/att ng and wash it be unless leak can to do so ce. Keep containe n a well-ventilatee	tions on this label) ention tention fore reuse be stopped safely er tightly closed d place
2.3. Other hazards				
Other hazards not contributing to the classification	: May	cause frostbite.		
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	n on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-Chloro-3,3-difluoroprop-1-ene (Main constituent)		(CAS No) 421-03-4	<= 100	Simple Asphy, H380 Flam. Gas 2, H221 Liquefied gas, H280 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336
				STOT SE 3, H335
Full text of H-phrases: see section 16				STOT SE 3, H335
Full text of H-phrases: see section 16 3.2. Mixture				5101 SE 3, F335
8.2. Mixture Not applicable				5101 SE 3, H335
				5101 SE 3, H335
8.2. Mixture Not applicable				5101 SE 3, H335
3.2. Mixture Not applicable SECTION 4: First aid measures		se of accident or if you feel unwell, see e possible). Move the affected person		e immediately (show the label
B.2. Mixture Not applicable SECTION 4: First aid measures I.1. Description of first aid measures	wher : Rem		nel away from the ortable for breath	e immediately (show the label e contaminated area.
B.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures Secription of first aid measures First-aid measures general Secription of first aid measures	wher Reme respi Thaw advid	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D e/attention.	nel away from the ortable for breath attention. o no rub affected	e immediately (show the label e contaminated area. ning. If not breathing, give artificial l area. Get immediate medical
B.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures Second measures First-aid measures general Second measures after inhalation First-aid measures after skin contact Second measures after eye contact	when : Remain respi : Thaw advic : Remain thoro	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D ee/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate	e immediately (show the label e contaminated area. ning. If not breathing, give artificial l area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention.
B.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures Second measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion First-aid measures after ingestion	when respi : Thaw advic : Reme thoro : Due give advic	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D ee/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious re/attention.	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like	e immediately (show the label e contaminated area. ning. If not breathing, give artificial area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never
Act applicable SECTION 4: First aid measures Section of first aid measures Section of first aid measures Section Section of first aid measures Section Section	 wher Rem, respi Thaw advic Rem, thoro Due tigive a advic advic ts, both 	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D e/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious ie/attention. acute and delayed	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like person. Rinse mo	e immediately (show the label e contaminated area. hing. If not breathing, give artificial l area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never puth out with water. Get medical
Mixture Not applicable SECTION 4: First aid measures Section of first aid measures Section of first aid measures Section Section of first aid measures Section Se	wher : Rem- respi : Thaw advic : Rem- thoro : Due t give : advic ts, both : The r 2.2) a	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ v frosted parts with lukewarm water. D ev/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious ev/attention. acute and delayed most important known symptoms and and/or in section 11.	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like person. Rinse mo	e immediately (show the label e contaminated area. hing. If not breathing, give artificial l area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never puth out with water. Get medical
Aot applicable SECTION 4: First aid measures SECTION 4: First aid measures Section of first aid measures Section of first aid measures Section of first aid measures Symptoms/injuries after inhalation	wher : Rem- respi : Thaw advic : Rem- thoro : Due t give : advic ts, both : The r 2.2) a : May	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ v frosted parts with lukewarm water. D ev/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious ev/attention. acute and delayed most important known symptoms and and/or in section 11. cause drowsiness or dizziness.	nel away from the ortable for breath attention. o no rub affected y to do. Continue es. Get immediate hemical is not like person. Rinse mo	e immediately (show the label e contaminated area. hing. If not breathing, give artificial l area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never puth out with water. Get medical
Aot applicable SECTION 4: First aid measures SECTION 4: First aid measures SECTION 4: First aid measures Section of first	 wher Remurespi Thaw advice Remuthoro Due transition Due transition Due transition Due transition The ransition The ransition May Contain 	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D ee/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious re/attention. acute and delayed most important known symptoms and and/or in section 11. cause drowsiness or dizziness. act with the liquid the may cause cold	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like person. Rinse mo effects are descri burns/frostbite.	e immediately (show the label e contaminated area. ning. If not breathing, give artificial area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never buth out with water. Get medical
B.2. Mixture Not applicable SECTION 4: First aid measures SECTION 4: First aid measures Second measures First-aid measures general First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion First-aid measures after ingestion	 wher Remurespi Thaw advice Remuthoro Due transition Due transition Due transition Due transition Due transition The ransition The ransition May Contain Direct 	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ v frosted parts with lukewarm water. D ev/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious ev/attention. acute and delayed most important known symptoms and and/or in section 11. cause drowsiness or dizziness.	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like person. Rinse mo effects are descri burns/frostbite.	e immediately (show the label e contaminated area. ning. If not breathing, give artificial area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never buth out with water. Get medical
Act applicable SECTION 4: First aid measures SECTION 4: First aid measures SECTION 4: First aid measures Section of first	 wher Remurespi Thaw advice Remuthoro Due tigive to the second second	e possible). Move the affected person ove person to fresh air and keep comf ration. Get immediate medical advice/ / frosted parts with lukewarm water. D ee/attention. ove contact lenses, if present and eas ughly with water for at least 15 minute to its physical form, exposure to this cl anything by mouth to an unconscious ee/attention. acute and delayed most important known symptoms and and/or in section 11. cause drowsiness or dizziness. act with the liquid the may cause cold et contact with the liquefied gas may ca stbite from rapid liquid evaporation.	nel away from the ortable for breath attention. o no rub affected y to do. Continue s. Get immediate hemical is not like person. Rinse mo effects are descri burns/frostbite.	e immediately (show the label e contaminated area. ning. If not breathing, give artificial area. Get immediate medical e rinsing. Immediately flush eyes e medical advice/attention. ely. Do NOT induce vomiting. Never buth out with water. Get medical

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.

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

5.2. Special hazards arising from the substance or mixture			
Fire hazard	: Thermal decomposition generates: Carbon oxides. Hydrogen chloride. Hydrogen fluoride.		
Explosion hazard	: Contains gas under pressure; may explode if heated. Use water spray or fog for cooling exposed containers. May form flammable/explosive vapor-air mixture.		
5.3. Advice for firefighte	rs		
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			
6.1. Personal precautions, protective equipment and emergency procedures			
General 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. Consider the risk of potentially explosive atmospheres. Eliminate every possible source of ignition.		
6.2. Environmental precautions			

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3.	6.3. Methods and material for containment and cleaning up		
For cont	tainment	: Stop leak if safe to do so.	
Methods	s for cleaning up	: Ventilate area.	
	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".	
0.4	Performents other costions		

Reference to other sections 6.4.

No additional information available

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Pressurized container: Do not pierce or burn, even after use. Handle empty containers with care because residual vapors are flammable. Close valve after each use and when empty.
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, gas, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
Safe handling of the gas receptacle	: Securely chain cylinders when in use and protect against physical damage.
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, includi	ng any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	 Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Keep container closed when not in use. Keep away from ignition sources.
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

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

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. Systems under pressure should be regularily checked for leakage. Oxygen detectors should be used when asphyxiating gases may be released.
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.
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 c	he	mical properties
Physical state	:	Gas
Color	:	No data available
Odor	:	No data available
Odor threshold	:	No data available
рН	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	17 - 18 °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
Molecular mass	:	112.51 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

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
The product is stable at normal handling and storage conditions.
10.3. Possibility of hazardous reactions
May polymerize.
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 oxidizing agents.

12/06/2016

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

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

Information on toxicological effects 11.1.

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness. 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.

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

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 information		
Department of Transportation (DOT)		

In accordance with DOT	
Transport document description	: UN3161 Liquefied gas, flammable, n.o.s., 2.1
UN-No.(DOT)	: UN3161
Proper Shipping Name (DOT)	: Liquefied gas, flammable, n.o.s.
Transport hazard class(es) (DOT)	: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Safety Data Sheet

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

Hazard labels (DOT)	: 2.1 - 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)	: Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
UN-No. (IMDG)	: 3161
Proper Shipping Name (IMDG)	: LIQUEFIED GAS, FLAMMABLE, N.O.S.
Class (IMDG)	: 2 - Gases
Air transport	
UN-No. (IATA)	: 3161
Proper Shipping Name (IATA)	: Liquefied gas, flammable, 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:

3-Chloro-3,3-difluoroprop-1-ene CAS No 421-03-4 100%			
	3-Chloro-3,3-difluoroprop-1-ene	CAS No 421-03-4	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

3-Chloro-3,3-difluoroprop-1-ene (421-03-4)

Listed on the AICS (Australian Inventory of Chemical Substances) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

15.3. US State regulations

Safety Data Sheet

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

ext of H-phrases:	
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Gas 2	Flammable gases Category 2
Liquefied gas	Gases under pressure Liquefied gas
Simple Asphy	Simple Asphyxiant
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H221	Flammable gas
H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H380	May displace oxygen and cause rapid suffocation

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

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.