

Safety Data Sheet 1300104 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0

Date of issue: 02/25/2016

1.1. Identification	
Product form	: Substance
Substance name	: 2-Butene
CAS No	: 107-01-7
Product code	: 1300-1-04
Formula	: C4H8
Synonyms	: But-2-ene; Butylene
Other means of identification	: MFCD00064458
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	afety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	
1.4. Emergency telephone number	: (844) 523-4086 (3E Company - Account 10069)
Emergency number	. (044) 323-4000 (SE Company - Account 10069)
SECTION 2: Hazard(s) identificat	tion
2.1. Classification of the substance	
Classification (GHS-US)	
Flam. Gas 1 H220 - Extremely flamma Liquefied gas H280 - Contains gas under	er pressure; may explode if heated
Flam. Gas 1H220 - Extremely flammaLiquefied gasH280 - Contains gas underSkin Irrit. 2H315 - Causes skin irritatEye Irrit. 2AH319 - Causes serious eySTOT SE 3H335 - May cause respirat	ble gas er pressure; may explode if heated tion ye irritation
Flam. Gas 1H220 - Extremely flammaLiquefied gasH280 - Contains gas underSkin Irrit. 2H315 - Causes skin irritatEye Irrit. 2AH319 - Causes serious eySTOT SE 3H335 - May cause respiratFull text of H-phrases: see section 16	ble gas er pressure; may explode if heated tion ye irritation
Flam. Gas 1 H220 - Extremely flamma Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritat Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H335 - May cause respirat Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	ble gas er pressure; may explode if heated tion ye irritation
Flam. Gas 1 H220 - Extremely flamma Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritat Eye Irrit. 2A H319 - Causes serious ey 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)	able gas er pressure; may explode if heated tion ye irritation atory irritation
Flam. Gas 1 H220 - Extremely flamma Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritat Eye Irrit. 2A H319 - Causes serious ey 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)	 able gas er pressure; may explode if heated tion ye irritation atory irritation :
Flam. Gas 1 H220 - Extremely flamma Liquefied gas H280 - Contains gas under Skin Irrit. 2 H315 - Causes skin irritat Eye Irrit. 2A H319 - Causes serious ey STOT SE 3 H335 - May cause respirat Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	able gas er pressure; may explode if heated tion ye irritation atory irritation
Flam. Gas 1H220 - Extremely flammaLiquefied gasH280 - Contains gas underSkin Irrit. 2H315 - Causes skin irritatEye Irrit. 2AH319 - Causes serious eySTOT SE 3H335 - May cause respiratFull text of H-phrases: see section 162.2.Label elements	 able gas er pressure; may explode if heated tion ye irritation atory irritation Constant of the state of the sta

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	P33 P33 P36 P37 P38 P40 P40 P40 P41	 Specific treatment (see supplemental f 2+P313 - If skin irritation occurs: Get med 7+P313 - If eye irritation persists: Get med 2+P364 - Take off contaminated clothing a 7 - Leaking gas fire: Do not extinguish, un 1 - Eliminate all ignition sources if safe to 3 - Store in a well-ventilated place 3+P233 - Store in a well-ventilated place. Store locked up 0+P403 - Protect from sunlight. Store in a 1 - Dispose of contents/container to an ap 	ical advice/atte dical advice/atte and wash it bef less leak can b do so Keep container well-ventilated	ntion ention ore reuse e stopped safely tightly closed place
2.3. Other hazards Other hazards not contributing to the classification	: In u	se may form flammable/explosive vapor-a	ir mixture. May	cause frostbite.
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informatic	on on i	ngredients		
3.1. Substance				
Substance type	: Mor	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
2-Butene (Main constituent)		(CAS No) 107-01-7	<= 100	Simple Asphy, H380 Flam. Gas 1, H220 Liquefied gas, H280 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	whe	ase of accident or if you feel unwell, seek re possible). Move the affected personnel	away from the	contaminated area.
First-aid measures after inhalation	resp	nove person to fresh air and keep comforta iration. Get immediate medical advice/atte	ention.	
First-aid measures after skin contact	advi	w frosted parts with lukewarm water. Do n ce/attention.		
First-aid measures after eye contact	thor	nove contact lenses, if present and easy to oughly with water for at least 15 minutes.	Get immediate	medical advice/attention.
First-aid measures after ingestion	give	to its physical form, exposure to this cher anything by mouth to an unconscious per ce/attention.		
4.2. Most important symptoms and effe	cts, botł	acute and delayed		
Symptoms/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
Symptoms/injuries after inhalation	: May	cause drowsiness or dizziness.		
Symptoms/injuries after skin contact		tact with the liquid the may cause cold bu		
Symptoms/injuries after eye contact		ct contact with the liquefied gas may caus ostbite from rapid liquid evaporation.	e severe and p	ossibly permanent eye injury due
4.3. Indication of any immediate medica	l attenti	on and special treatment needed		
No additional information available				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	owder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the su	bstance	or mixture		
Fire hazard		rmal decomposition generates: Carbon ox	ides.	
40/00/2040			000 10: 400040	

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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 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			
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	es if product enters sewers or public waters.		
6.3. Methods and material for containme	nt 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			
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, including 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				
2-Butene (107-01-7)				
ACGIH TWA (ppm) 250 ppm				

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8.2.	Exposure controls		
Appro	priate 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 p	rotection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.	
Skin a	and body protection	: Wear suitable protective clothing.	
Respi	ratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.	
Therm	nal 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	: Gas
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: -140 °C
Freezing point	: No data available
Boiling point	: 1 °C
Flash point	: -33 °C
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	: 1.9 mm Hg (@ 0 °C)
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.626 g/ml (@ 1 °C)
Molecular mass	: 56.11 g/mol
Solubility	: Water: 78.5 mg/l
Log Pow	: No data available
Auto-ignition temperature	: 323.8 °C (at 1013.25 hPa)
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

SECT	ION 10: Stability and reactivity				
10.1.	Reactivity				
No addi	No additional information available				
10.2.	Chemical stability				
The pro	duct is stable at normal handling and storage conditions.				
10.3.	Possibility of hazardous reactions				
No additional information available					
10.4.	Conditions to avoid				
Protect	from sunlight. Do not expose to temperatures exceeding 50 °C. Keep away from heat, sparks and flame.				

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10.5. Incompatible materials

Acids. Metals. Oxidizing agents.

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

11.1. Information on toxicological effects

Acute toxicity	: Not classified
2-Butene (107-01-7)	
LC50 inhalation rat (ppm)	> 10057 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
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation Symptoms/injuries after skin contact Symptoms/injuries after eye contact	 May cause drowsiness or dizziness. Contact with the liquid the may cause cold burns/frostbite. 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					
12.1.	Toxicity				
No addit	No additional 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 additional 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 informatio	on second se	
Department of Transportation (DOT) In accordance with DOT Transport document description	: UN1012 Butylene (see also Petroleum gases, liquefied), 2.1	
UN-No.(DOT)	: UN1012	

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DOT Packaging Exceptions (49 CFR 173.xxx) : 306 DOT Quantity Limitations Passenger aircraft/rail : Forbidden (49 CFR 173.27) : Forbidden DOT Quantity Limitations Cargo aircraft only (49) : 150 kg CFR 175.75) : DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger sersel carrying a number of passengers limited to nor more than the larger of 25 passenger vessel stowage or passenger or per sech 3 m of overall vessel length, but is prohibited from carriage 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 Tansport by sea : 1012 Proper Shipping Name (IMDG) : 2 - Gases Air transport : 1012 Proper Shipping Name (IATA) : 1012 Proper Shipping Name (IATA) : 1012	Proper Shipping Name (DOT)	: Butylene
Hazard labels (DOT) 2.1 - Flammable gas DOT Packaging Non Bulk (49 CFR 173.xox) : 304 DOT Packaging Bulk (49 CFR 173.xox) : 304 DOT Special Provisions (49 CFR 172.102) : 19 - For domestic transportation only, the identification number used in place of TSpecial Provisions (49 CFR 173.xox) : 314,315 DOT Packaging Exceptions (49 CFR 172.102) : 19 - For domestic transportation only, the identification number used in place 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 Quantity Limitations Passenger aircraft/rail : Forbidden (49 CFR 173.27) : 150 kg DOT Vessel Stowage Location : E - The material may be stowed "on deck" on "under deck" on a cargo vessel and on a passengers initied to not more than the larger of 25 passenger vessel carrying a number of passengers initied to not more than the larger of 25 passenger vessel carrying a number of passengers initied to not more than the larger of 25 passenger vessel in which the limiting number of passengers is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters" Other information available : 1012 Proper Shipping Name (IMDG) : 1012 Proper Shipping Name (IMTA) : 1012		
DOT Packaging Non Bulk (49 CFR 173.xxx) : 304 DOT Packaging Bulk (49 CFR 173.xxx) : 314.315 DOT Special Provisions (49 CFR 172.102) : 19 - for domestic transportation only, the identification number UN1075 may be used in place of the identification number specified in column (4) of the 172.101 table. The identification number used must be consistent on package markings, shipping papers and emergency response information. T50 - When portable tank instruction T50 is referenced in Column (7) of the 172.101 table, the applicable iquefied 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 Forbidden (90 CFR 173.27) DOT (40 CFR 173.57) : 306 DOT Vessel Stowage Location : F - The material may be stowed "on deck" or "under deck" 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 is prohibited from carriage on passinger vessels in which the limiting number of passengers is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters" Vote information available : 1012 Proper Shipping Name (MDG) : 1012 Proper Shipping Name (MAG) : 1012 Proper Shipping Name (MATA) : 1012		-
DOT Packaging Bulk (49 CFR 173.xxx) : 314:315 DOT Special Provisions (49 CFR 172.102) : 19 - For domestic transportation only, the identification number UN1075 may be used in place of the identification number specified in column (4) of the 172.101 table. The identification number used must be consistent on package markings, shipping papers and emergency response information. DOT Packaging Exceptions (49 CFR 173.xxx) : 306 DOT Quantity Limitations Passenger aircraft/rail : Forbidden (49 CFR 173.77) : 150 kg DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger sessel 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 is prohibited from carriage on passenger resels in which the limiting number of passengers is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters" Other information available : 1012 Proper Shipping Name (IMDG) : 1012 Proper Shipping Name (IMDG) : 21012 Proper Shipping Name (IATA) : 1012	Hazard labels (DOT)	: 2.1 - Flammable gas
DOT Special Provisions (49 CFR 172.102) : 19 - For domestic transportation only, the identification number UN1075 may be used in place of the identification number specified in column (4) of the 172.101 table. The identification number used must be consistent on package markings, shipping papers and emergency response information. 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.xx) : 306 DOT Quantity Limitations Passenger aircraft/rail : Forbidden (49 CFR 173.27) : 150 kg DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers is exceeded. DOT Vessel Stowage Other : 40 - Stow "clear of living quarters" Other information : No supplementary information available. Transport by sea : 1012 Proper Shipping Name (IMDG) : 2 - Gases Air transport : 2 - Gases Air transport : 1012 Proper Shipping Name (IATA) : 1012 Proper Shipping Name (IATA) : 2 Hot2	DOT Packaging Non Bulk (49 CFR 173.xxx)	: 304
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DOT Quantity Limitations Passenger aircraft/rail : Forbidden (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49) : 150 kg CFR 175.75) DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passenger vessel Stowage Other : 40 - Stow "clear of living quarters" DOT Vessel Stowage Other : 40 - Stow "clear of living quarters" Other information : No supplementary information available. TDG No additional information available : 1012 Proper Shipping Name (IMDG) : BUTYLENE Class (IMDG) : 2 - Gases : 1012 Proper Shipping Name (IATA) : 1012	DOT Special Provisions (49 CFR 172.102)	of the identification number specified in column (4) of the 172.101 table. The identification number used must be consistent on package markings, shipping papers and emergency response information. 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
(49 CFR 173.27) 0 DOT Quantity Limitations Cargo aircraft only (49) : 150 kg CFR 175.75) DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" 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 is prohibited from carriage 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	DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
CFR 175.75) E - The material may be stowed "on deck" or "under deck" 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 is prohibited from carriage 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) : 1012 Proper Shipping Name (IMDG) : 2 - Gases Air transport . UN-No. (IATA) : 1012 Proper Shipping Name (IATA) : 1012		: Forbidden
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Other information : No supplementary information available. TDG No additional information available Transport by sea UN-No. (IMDG) : 1012 Proper Shipping Name (IMDG) : BUTYLENE Class (IMDG) : 2 - Gases Air transport UN-No. (IATA) Proper Shipping Name (IATA) : Butylene	DOT Vessel Stowage Location	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 is prohibited from
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Class (IMDG) : 2 - Gases Air transport	UN-No. (IMDG)	: 1012
Air transport UN-No. (IATA) : 1012 Proper Shipping Name (IATA) : Butylene	Proper Shipping Name (IMDG)	: BUTYLENE
UN-No. (IATA) : 1012 Proper Shipping Name (IATA) : Butylene	Class (IMDG)	: 2 - Gases
Proper Shipping Name (IATA) : Butylene	Air transport	
	UN-No. (IATA)	: 1012
Class (IATA) : 2	,	: Butylene
	Class (IATA)	: 2

15.1. US Federal regulations

2-Butene (107-01-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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

2-Butene (107-01-7)

Listed on the Canadian DSL (Domestic Sustances List)

EU-Regulations

No additional information available

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15.3. US State regulations	
2-Butene (107-01-7)	
State or local regulations	U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List

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:

N 1000

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Gas 1	Flammable gases Category 1
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
H220	Extremely 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
H380	May displace oxygen and cause rapid suffocation

NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
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	: 4 Severe Hazard - Flammable gases, or very volatile flammable liquids with flash points below 73 F, and boiling points below 100 F. Materials may ignite spontaneously with air. (Class IA)
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.