

Safety Data Sheet

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

Date of issue: 08/20/2014 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : 6 Components in Nitrogen

Product code : SG-2007-00667

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Test gas/Calibration gas.

1.3. Details of the supplier of the safety data sheet

Air Liquide America Specialty Gases 6141 Easton Rd Plumsteadville, PA 18949 - USA T 1.800.217.2688 www.airliquide.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

 Compressed gas
 H280

 Repr. 1A
 H360

 STOT RE 1
 H372

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)



GHS04

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated

H360 - May damage fertility or the unborn child (Inhalation)

H372 - Causes damage to organs (central nervous system) through prolonged or repeated

exposure (Inhalation)

CGA-HG10 - Asphyxiating even with adequate oxygen

Precautionary statements (GHS-US) : P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe gas

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves, eye protection, face protection, protective clothing

P304 + P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing

P308 + P313 - If exposed or concerned: Get medical advice/attention

P403 - Store in a well-ventilated place

P501 - Dispose of contents/container in accordance with local/regional/national/international

regulations

CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F)

CGA-PG05 - Use a back flow preventive device in the piping CGA-PG06 - Close valve after each use and when empty CGA-PG10 - Use only with equipment rated for cylinder pressure

CGA-PG14 - Approach suspected leak area with caution

CGA-PG21 - Open valve slowly

2.3. Other hazards

Other hazards not contributing to the classification

: This product contains a chemical asphyxiant.

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2.4. **Unknown acute toxicity (GHS-US)**

No data available

SECTION 3: Composition/information on ingredients

Substance 3.1.

Not applicable

3.2. **Mixture**

Name	Product identifier	%	Classification (GHS-US)
Nitrogen	(CAS No)7727-37-9	94	Compressed gas, H280
Carbon monoxide	(CAS No)630-08-0	1	Flam. Gas 1, H220 Compressed gas, H280 Acute Tox. 3 (Inhalation:gas), H331 Repr. 1A, H360 STOT RE 1, H372
Acetylene (dissolved)	(CAS No)74-86-2	1	Dissolved gas, H280
Carbon dioxide	(CAS No)124-38-9	1	Simple Asphy, H380 Liquefied gas, H280
Methane	(CAS No)74-82-8	1	Flam. Gas 1, H220 Compressed gas, H280
Ethane	(CAS No)74-84-0	1	Flam. Gas 1, H220 Compressed gas, H280
Ethylene	(CAS No)74-85-1	1	Flam. Gas 1, H220 Liquefied gas, H280 STOT SE 3, H336

SECTION 4: First aid measures

Description of first aid measures

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Adverse effects not expected from this product. First-aid measures after eye contact Adverse effects not expected from this product.

First-aid measures after ingestion Ingestion is not considered a potential route of exposure.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Symptoms similar to those listed under inhalation.

Symptoms/injuries after inhalation : Headache. Asphyxiating even with adequate oxygen. If you feel unwell, seek medical advice.

Symptoms/injuries after skin contact : Adverse effects not expected from this product. Symptoms/injuries after eye contact Adverse effects not expected from this product.

Ingestion is not considered a potential route of exposure. Symptoms/injuries after ingestion

Symptoms/injuries upon intravenous : Not known.

administration

Chronic symptoms : May damage fertility. May damage the unborn child. Causes damage to organs (CNS) through

prolonged or repeated exposure (Inhalation).

4.3. Indication of any immediate medical attention and special treatment needed

If breathing is difficult, give oxygen. Obtain medical attention if breathing difficulty persists.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use water jet to extinguish.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is not flammable.

Explosion hazard Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire

and increasing risk of burns and injuries.

Reactivity : None known.

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5.3. Advice for firefighters

Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or

fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire

fighters. Do not enter fire area without proper protective equipment, including respiratory

protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation.

6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment consistent with the site emergency plan.

Emergency procedures : Escape the danger area by the closest safe route. Close doors and windows of adjacent

premises. Keep containers closed. Mark the danger area. Seal off low-lying areas. Keep upwind.

6.1.2. For emergency responders

Protective equipment : Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire

fighters. Equip cleanup crew with proper protection.

Emergency procedures : Evacuate and limit access. Ventilate area.

6.2. Environmental precautions

Try to stop release if safe to do so.

6.3. Methods and material for containment and cleaning up

For containment : Try to stop release if safe to do so.

Methods for cleaning up : Dispose of this material and its container in accordance with local regulations.

6.4. Reference to other sections

See also Sections 8 and 13.

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. Use equipment rated for cylinder

pressure

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Use only outdoors or

in a well-ventilated area.

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Do not expose to temperatures exceeding 52°C (125°F). Keep container closed when not in use.

Protect cylinder from physical damage.

Incompatible products : None known. Incompatible materials : None known.

7.3. Specific end use(s)

Test gas/Calibration gas.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Carbon monoxide (630-08-0)		
USA ACGIH	ACGIH TWA (ppm)	25 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	55 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	50 ppm

Nitrogen (7727-37-9)

Acetylene (dissolved) (74-86-2)

Carbon dioxide (124-38-9)

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USA ACGIH	ACGIH TWA (ppm)	5000 ppm	
USA ACGIH	ACGIH STEL (ppm)	30000 ppm	
USA OSHA	OSHA PEL (TWA) (mg/m³)	9000 mg/m³	
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm	
Ethane (74-84-0)	Ethane (74-84-0)		
USA ACGIH	ACGIH TWA (ppm)	1000 ppm	
Ethylene (74-85-1)	Ethylene (74-85-1)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm	
Methane (74-82-8)			
USA ACGIH	ACGIH TWA (ppm)	1000 ppm	

8.2. Exposure controls

Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Systems under pressure should be regularly checked for leakages. Ensure exposure is below occupational exposure limits. Oxygen detectors should be used when asphyxiating gases may be released. Consider work permit system e.g. for maintenance activities.

Hand protection

: Wear working gloves when handling gas containers. 29CFR 1910.138: Hand Protection.

Eye protection

Wear safety glasses with side shields. 29 CFR 1910.133: Eye and Face Protection.

Skin and body protection

Wear suitable protective clothing, e.g. - lab coats, coveralls or flame resistant clothing.

Respiratory protection

: None necessary during normal and routine operations.

Thermal hazard protection

: None necessary during normal and routine operations.

Environmental exposure controls

Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for

specific methods for waste gas treatment.

Other information

: Wear safety shoes while handling containers. 29 CFR 1910.136: Foot Protection.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Gas

Appearance : Clear, colorless gas.

Color : Colorless
Odor : odorless

Odor threshold : No data available pH : No data available Relative evaporation rate (butyl acetate=1) : No data available

Relative evaporation rate (ether=1) : Not applicable for gas-mixtures.

Melting point : No data available Freezing point No data available Boiling point : No data available : No data available Flash point : No data available Auto-ignition temperature Decomposition temperature : No data available Flammability (solid, gas) No data available No data available Vapor pressure Relative vapor density at 20 °C : No data available Relative density : No data available Relative gas density : Lighter or similar to air.

Solubility : Water: Solubility in water of component(s) of the mixture :

•: Insoluble •: 20 mg/l •: 1185 mg/l •: 2000 mg/l •: 26 mg/l •: 61 mg/l •: 130 mg/l

Log Pow: No data availableLog Kow: No data availableViscosity, kinematic: No data availableViscosity, dynamic: No data availableExplosive properties: No data available

Oxidizing properties : None.

Explosive limits : No data available

9.2. Other information

Additional information : None.

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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Carbon monoxide (630-08-0)		
LC50 inhalation rat (ppm)	1880 ppm/4h	
ATE US (gases)	1880.0000000 ppmV/4h	
Nitrogen (7727-37-9)		
LC50 inhalation rat (ppm)	410000 ppm/4h	
Acetylene (dissolved) (74-86-2)		
LC50 inhalation rat (ppm)	410000 ppm/4h	
ATE US (gases)	410000.00000000 ppmV/4h	
Ethane (74-84-0)		
LC50 inhalation rat (mg/l)	658 mg/l/4h	
LC50 inhalation rat (ppm)	410000 ppm/4h	
ATE US (gases)	410000.00000000 ppmV/4h	
ATE US (vapors)	658.00000000 mg/l/4h	
ATE US (dust, mist)	658.00000000 mg/l/4h	
Ethylene (74-85-1)	<u> </u>	
LC50 inhalation rat (ppm)	410000 ppm/4h	
ATE US (gases)	410000.00000000 ppmV/4h	
Methane (74-82-8)	440000 ppm/4b	
LC50 inhalation rat (ppm)	410000 ppm/4h	
ATE US (gases)	410000.00000000 ppmV/4h	
Skin corrosion/irritation	: Not classified	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Ethylene (74-85-1)		
IARC group	3 - Not classifiable	
Reproductive toxicity	: May damage fertility or the unborn child (Inhalation).	
Specific target organ toxicity (single exposure)	: Not classified	
Specific target organ toxicity (repeated	: Causes damage to organs (central nervous system) through prolonged or repeated exposure	
exposure)	(Inhalation).	
Aspiration hazard	: Not classified	
Symptoms/injuries after inhalation	: Headache. Asphyxiating even with adequate oxygen. If you feel unwell, seek medical advice.	
Symptoms/injuries after skin contact	: Adverse effects not expected from this product.	
Symptoms/injuries after eye contact	: Adverse effects not expected from this product.	
Symptoms/injuries after ingestion	: Ingestion is not considered a potential route of exposure.	
Symptoms/injuries upon intravenous administration	: Not known.	
Chronic symptoms	: May damage fertility. May damage the unborn child. Causes damage to organs (CNS) through	
	prolonged or repeated exposure (Inhalation).	

SECTION 12: Ecological information

Toxicity

No additional information available

12.2. Persistence and degradability

Carbon monoxide (630-08-0)		
Persistence and degradability Will not undergo hydrolysis. Not readily biodegradable. Not applicable for inorganic gases		
Nitrogen (7727-37-9)		
Persistence and degradability	No ecological damage caused by this product.	
Acetylene (dissolved) (74-86-2)		

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

cording to Federal Register / Vol. 77, No. 56 / Mic	onday, March 26, 2012 / Rules and Regulations
Persistence and degradability	Will rapidly degrade by indirect photolysis in air. Will not undergo hydrolysis.
Carbon dioxide (124-38-9)	
Persistence and degradability	No ecological damage caused by this product.
Ethane (74-84-0)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
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Ethylene (74-85-1)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Methane (74-82-8)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist. No data available.
2.3. Bioaccumulative potential	
Carbon monoxide (630-08-0)	
Log Pow	1.78
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
Nitrogen (7727-37-9)	
Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	No ecological damage caused by this product.
Acetylene (dissolved) (74-86-2)	
Log Pow	0.37
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
<u>'</u>	That expected to broadcamatate due to the few log from (log from 1). Iteles to decite to
Carbon dioxide (124-38-9)	As a literary constant of the A
BCF fish 1	(no bioaccumulation) 0.83
Log Pow Bioaccumulative potential	No ecological damage caused by this product.
·	No ecological damage caused by this product.
Ethane (74-84-0)	
Log Pow	1.81
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
Ethylene (74-85-1)	
BCF fish 1	4 - 4.6
Log Pow	1.13
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
Methane (74-82-8)	
Log Pow	1.09
Log Kow	Not applicable for gas-mixtures.
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4). Refer to section 9.
2.4. Mobility in soil	
Carbon monoxide (630-08-0)	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
Nitrogen (7727-37-9)	
Ecology - soil	No ecological damage caused by this product.
Acetylene (dissolved) (74-86-2)	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
·	77 1 7 0 1
Carbon dioxide (124-38-9)	No ecological damage caused by this product.
Ecology - soil	140 coological damage caused by this product.
Ethane (74-84-0)	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
Ethylene (74-85-1)	
Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.
Methane (74-82-8)	
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Ī	Mobility in soil	No data available.
	Ecology - soil	Because of its high volatility, the product is unlikely to cause ground or water pollution.

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : Contains greenhouse gas(es) not covered by 842/2006/EC.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Contact supplier if guidance is required. Do not discharge into any place where its accumulation

could be dangerous. Ensure that the emission levels from local regulations or operating permits

are not exceeded.

Waste disposal recommendations : Refer to the CGA Pamphlet P-63 "Disposal of Gases" available at www.cganet.com for more

guidance on suitable disposal methods.

Additional information : None.

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1956 Compressed gas, n.o.s., 2.2

UN-No.(DOT) : 1956 DOT NA no. : UN1956

DOT Proper Shipping Name : Compressed gas, n.o.s.

Department of Transportation (DOT) Hazard

Classes

: 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115

Hazard labels (DOT) : 2.2 - Non-flammable gas



DOT Symbols : G - Identifies PSN requiring a technical name

DOT Packaging Exceptions (49 CFR 173.xxx) : 306;307

DOT Packaging Non Bulk (49 CFR 173.xxx) : 302;305

DOT Packaging Bulk (49 CFR 173.xxx) : 314;315

DOT Quantity Limitations Passenger aircraft/rail : 75 kg

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 150 kg

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

Additional information

Other information : No supplementary information available.

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ADR

Transport document description : UN 1956, 2.2, (E) Class (ADR) : 2 - Gases

Hazard identification number (Kemler No.) : 20 Classification code (ADR) : 1A

Danger labels (ADR) : 2.2 - Non-flammable compressed gas

2

Orange plates :

20 1956

Tunnel restriction code (ADR) : E
LQ : 120ml
Excepted quantities (ADR) : E1

Transport by sea

UN-No. (IMDG) : 1956

Proper Shipping Name (IMDG) : COMPRESSED GAS, N.O.S.

Class (IMDG) : 2.2 - Non-flammable, non-toxic gases

Air transport

UN-No.(IATA) : 1956

Proper Shipping Name (IATA) : COMPRESSED GAS, N.O.S.

Class (IATA) : 2

SECTION 15: Regulatory information

15.1. US Federal regulations

Ethylene (74-85-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %

15.2. International regulations

CANADA

OAITADA		
Carbon monoxide (630-08-0)		
Listed on the Canadian DSL (Domestic Sustances List)		
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects	
Nitrogen (7727-37-9)		

Nitrogen (7727-37-9)		
Listed on the Canadian DSL (Domestic Sustances List)		
WHMIS Classification Class A - Compressed Gas		

Acetylene (dissolved) (74-86-2)	
Listed on the Canadian DSL (Domestic Sustances List)	
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas Class F - Dangerously Reactive Material

Carbon dioxide (124-38-9)
Listed on the Canadian DSL (Domestic Sustances List)

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Carbon dioxide (124-38-9)		
WHMIS Classification	Class A - Compressed Gas	
Ethane (74-84-0)		
Listed on the Canadian DSL (Domestic Sustance	es List)	
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas	
Ethylene (74-85-1)		
Listed on the Canadian DSL (Domestic Sustances List)		
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas Class D Division 2 Subdivision B - Toxic material causing other toxic effects	
Methane (74-82-8)		
Listed on the Canadian DSL (Domestic Sustances List)		
WHMIS Classification	Class A - Compressed Gas Class B Division 1 - Flammable Gas	

EU-Regulations

Ethylene (74-85-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

15.2.2. National regulations

Ethylene (74-85-1)

Listed on the AICS (the Australian Inventory of Chemical Substances)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

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

15.3. US State regulations

Carbon monoxide (630-08-0)					
U.S California -	U.S California -	U.S California - Proposition	U.S California -	No significance risk level	
Proposition 65 -	Proposition 65 -	65 - Reproductive Toxicity -	Proposition 65 -	(NSRL)	
Carcinogens List	Developmental Toxicity	Female	Reproductive Toxicity - Male		
	Yes				

Carbon monoxide (630-08-0)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

Nitrogen (7727-37-9)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Acetylene (dissolved) (74-86-2)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Carbon dioxide (124-38-9)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

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Ethane (74-84-0)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

Ethylene (74-85-1)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. Pennsylvania RTK (Right to Know) List

Methane (74-82-8)

- U.S. Massachusetts Right To Know List
- U.S. New Jersey Right to Know Hazardous Substance List
- U.S. Pennsylvania RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revised safety data sheet in accordance with OSHA final rule on GHS implementation

promulgated March 26, 2012.

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Training advice : Receptacle under pressure.

Other information : This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29

CFR, 1910.1200. Other government regulations must be reviewed for applicability to this

product.

Full text of H-phrases: see section 16:

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Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Compressed gas	Gases under pressure Compressed gas
Dissolved gas	Gases under pressure Dissolved gas
Flam. Gas 1	Flammable gases Category 1
Liquefied gas	Gases under pressure Liquefied gas
Repr. 1A	Reproductive toxicity Category 1A
Simple Asphy	Simple Asphyxiant
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H220	Extremely flammable gas
H280	Contains gas under pressure; may explode if heated
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H380	May displace oxygen and cause rapid suffocation

SDS US (GHS HazCom 2012)

This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Air Liquide America Corporation's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either express or implied, are provided. The information contained herein relates only to this specific product. If this product is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

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