#### **Safety Data Sheet**



## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

Product Name • Nitrogen (0.0001 - 10%), Helium (Balance)

Product Code 

• M-23021/E-1

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

Relevant identified use(s) • Calibration Gas

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer • Air Liquide

2700 Post Oak Blvd. Houston, TX 77056 United States

www.us.airliquide.com sds@airliquide.com

Telephone (Technical) • 713-896-2896 Telephone (Technical) • 800-819-1704

#### 1.4 Emergency telephone number

Manufacturer 800-424-9300 - CHEMTREC

Manufacturer • +1 703-527-3887 - Outside United States

#### **Section 2: Hazards Identification**

#### EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

#### 2.1 Classification of the substance or mixture

CLP • Compressed Gas - H280

**DSD/DPD** • Not classified

2.2 Label Elements

**CLP** 

#### **WARNING**



Hazard statements . H280 - Contains gas under pressure; may explode if heated

**Precautionary statements** 

**Storage/Disposal** • P403 - Store in a well-ventilated place.

DSD/DPD

Risk phrases . No label element(s) required

#### 2.3 Other Hazards

**CLP** 

 This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
 According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

 This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
 This preparation is not considered dangerous according to European Directive 1999/45/EC.

#### **United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

#### 2.1 Classification of the substance or mixture

**OSHA HCS 2012** 

 Compressed Gas - H280 Simple Asphyxiant

# 2.2 Label elements OSHA HCS 2012

#### **WARNING**



**Hazard statements** • Contains gas under pressure; may explode if heated - H280 May displace oxygen and cause rapid suffocation.

## **Precautionary statements**

Storage/Disposal • Store in a well-ventilated place. - P403

#### 2.3 Other hazards

OSHA HCS 2012

 Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

#### Canada

**According to WHMIS** 

#### 2.1 Classification of the substance or mixture

**WHMIS** 

Compressed Gas - A

#### 2.2 Label elements

**WHMIS** 



Compressed Gas - A

## 2.3 Other hazards

**WHMIS** 

 This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces.
 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

#### 2.4 Other information

**NFPA** 



## Section 3 - Composition/Information on Ingredients

#### 3.1 Substances

 Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

#### 3.2 Mixtures

Composition				
Chemical Name	Chemical Name Identifiers % Classifications According to Regulation/Directive			
Nitrogen	CAS:7727-37-9 EINECS:231-783-9	0.0001% TO 10%	EU DSD/DPD: None EU CLP: Self Classified: Press. Gas - Comp., H280 OSHA HCS 2012: Press. Gas - Comp.; Simp. Asphyx.	
Helium	CAS:7440-59-7 EINECS:231-168-5	Balance	EU DSD/DPD: Not Classified - Criteria not met EU CLP: Self Classified: Press. Gas - Comp., H280 OSHA HCS 2012: Press. Gas - Comp; Simp. Asphyx.	

See Section 11 for Toxicological Information.

#### **Section 4 - First Aid Measures**

#### 4.1 Description of first aid measures

Inhalation

• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

 Although exposure is unlikely, in case of contact immediately flush skin with running water. If skin irritation develops get medical advice/attention.

Eye

Ingestion

 First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If irritation develops and persists, get medical attention.

• Ingestion is not considered a potential route of exposure.

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

Refer to Section 11 - Toxicological Information.

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

**Notes to Physician** 

All treatments should be based on observed signs and symptoms of distress in the
patient. Consideration should be given to the possibility that overexposure to materials
other than this product may have occurred. A potential health hazard associated with
this gas is anoxia.

#### 4.4 Other information

 Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO GASES WITHOUT ADEQUATE

PERSONAL PROTECTIVE EQUIPMENT. At a minimum, Self-Contained Breathing Apparatus must be worn. Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Take a copy of the label and the MSDS to physician or other health professional with victim(s).

#### **Section 5 - Firefighting Measures**

#### 5.1 Extinguishing media

Suitable Extinguishing Media • Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media

None known.

## 5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

Containers may explode when heated.
 Ruptured cylinders may rocket.

**Hazardous Combustion Products** 

No data available

#### 5.3 Advice for firefighters

 Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Always wear thermal protective clothing when handling refrigerated/cryogenic liquids. Wear positive pressure self-contained breathing apparatus (SCBA).

Move containers from fire area if you can do it without risk.

FIRE: If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE INVOLVING TANKS: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

FIRE INVOLVING TANKS: Cool containers with flooding quantities of water until well after fire is out.

FIRE INVOLVING TANKS: Do not direct water at source of leak or safety devices; icing may occur.

FIRE INVOLVING TANKS: Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

FIRE INVOLVING TANKS: ALWAYS stay away from tanks engulfed in fire.

#### **Section 6 - Accidental Release Measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** 

 Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material. Ventilate the area before entry.

**Emergency Procedures** 

 Stop leak if you can do it without risk. Keep unauthorized personnel away. Keep out of low areas. Stay upwind. Do not direct water at spill or source of leak. LARGE SPILL: Consider initial downwind evacuation for at least 500 meters (1/3 mile)

#### 6.2 Environmental precautions

Prevent spreading of vapors through sewers, ventilation systems and confined areas.

#### 6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

Stop leak if you can do it without risk.
 Do not direct water at spill or source of leak.

Use water spray to reduce vapors; do not put water directly on leak, spill area or inside container.

If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed.

Ventilate the area.

#### 6.4 Reference to other sections

 Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## **Section 7 - Handling and Storage**

#### 7.1 Precautions for safe handling

#### Handling

• Use only with adequate ventilation. Ventilate closed spaces before entering. Be aware of any signs of dizziness or fatigue, especially if work is done in a poorly ventilated area; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to olfactory fatigue or oxygen deficiency. Cylinders should be firmly secured to prevent falling or being knocked-over. Do not attempt to repair, adjust, or in any other way modify cylinders. If there is a malfunction or another type of operational problem, contact nearest distributor immediately. Empty containers retain product residue and can be hazardous. Do not cut, weld, puncture or incinerate container.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### **Storage**

Store in a cool, dry, well-ventilated place. Protect cylinders against physical damage.
 Cylinders should be firmly secured to prevent falling or being knocked-over.

#### 7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

#### 8.1 Control parameters

**Exposure Limits/Guidelines** 

Currently there are no applicable exposure limits established for this material.

#### **Exposure Control Notations**

#### **Portugal**

Nitrogen (7727-37-9): Simple Asphyxiants: (Simple Asphyxiant)
 Helium (7440-59-7): Simple Asphyxiants: (Simple Asphyxiant)

#### Ireland

Nitrogen (7727-37-9): Simple Asphyxiants: (Asphyxiant)
 Helium (7440-59-7): Simple Asphyxiants: (Asphyxiant)

#### Spain

Nitrogen (7727-37-9): Simple Asphyxiants: (simple asphyxiant)
 Helium (7440-59-7): Simple Asphyxiants: (simple asphyxiant)

#### 8.2 Exposure controls

## Engineering Measures/Controls

 Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### **Personal Protective Equipment**

#### Respiratory

 Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

Skin/Body

## Wear safety glasses.

Wear leather gloves when handling cylinders.

## **Environmental Exposure Controls**

 Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

## **Section 9 - Physical and Chemical Properties**

## 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Gas	Appearance/Description	Colorless gas with no odor.
Color	Colorless	Odor	Odorless
Odor Threshold	Data lacking		
General Properties		•	-
Boiling Point	-268.94 C(-452.092 F) Helium	Melting Point	-272 C(-457.6 F) Helium
Decomposition Temperature	Data lacking	рН	Not relevant
Specific Gravity/Relative Density	Data lacking	Water Solubility	Slightly Soluble Helium
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizing gas.		
Volatility		•	
Vapor Pressure	Data lacking	Vapor Density	0.221 Air=1
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not flammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

#### 9.2 Other Information

No additional physical and chemical parameters noted.

## **Section 10: Stability and Reactivity**

## 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

## 10.2 Chemical stability

Stable under normal temperatures and pressures.

#### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4 Conditions to avoid

Excess heat.

#### 10.5 Incompatible materials

None

#### 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

GHS Properties	Classification
Acute toxicity	EU/CLP    Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Aspiration Hazard	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Carcinogenicity	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Germ Cell Mutagenicity	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Skin corrosion/Irritation	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Skin sensitization	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
STOT-RE	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
STOT-SE	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Toxicity for Reproduction	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met
Respiratory sensitization	EU/CLP ◆ Classification criteria not met OSHA HCS 2012 ◆ Classification criteria not met
Serious eye damage/Irritation	EU/CLP   Classification criteria not met  OSHA HCS 2012   Classification criteria not met

## Route(s) of entry/exposure Potential Health Effects Inhalation

Inhalation, Skin, Eye

No data available

Acute (Immediate)

• This material is a simple asphyxiant. May displace or reduce oxygen available for breathing especially in confined spaces. If this material is released in a small, poorly ventilated area (i.e. an enclosed or confined space), an oxygen-deficient environment may occur. Individuals breathing such an atmosphere may experience symptoms which include headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The following effects associated with decreased levels of oxygen: increase in breathing and pulse rate, emotional upset, abnormal fatigue, nausea, vomiting, collapse, loss of consciousness, convulsive movements, respiratory collapse and death.

Chronic (Delayed)

Skin

Acute (Immediate)

Chronic (Delayed)

Eye

Acute (Immediate)

Chronic (Delayed)

Ingestion

- Under normal conditions of use, no health effects are expected.
- Under normal conditions of use, no health effects are expected.
- Under normal conditions of use, no health effects are expected.
- Under normal conditions of use, no health effects are expected.

# Acute (Immediate) Chronic (Delayed)

- Ingestion is not anticipated to be a likely route of exposure to this product.
- Ingestion is not anticipated to be a likely route of exposure to this product.

## **Section 12 - Ecological Information**

#### 12.1 Toxicity

This gas mixture does not present a hazard of toxicity to the environment.

#### 12.2 Persistence and degradability

 This gas mixture does not present a hazard of persistence and does not biodegrade as it contains elemental gases.

#### 12.3 Bioaccumulative potential

This gas mixture does not present a hazard of bio-accumulation.

## 12.4 Mobility in Soil

This gas mixture does not present a hazard of mobility in the soil.

#### 12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been conducted for this material.

#### 12.6 Other adverse effects

 Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

## **Section 13 - Disposal Considerations**

#### 13.1 Waste treatment methods

**Product waste** 

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste** 

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## **Section 14 - Transport Information**

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1956	Compressed gas, n.o.s. (Helium, Nitrogen)	2.2	NDA	NDA
TDG	UN1956	COMPRESSED GAS N.O.S., (Helium, Nitrogen)	2.2	NDA	NDA
IMO/IMDG	UN1956	COMPRESSED GAS N.O.S., (Helium, Nitrogen)	2.2	NDA	NDA
IATA/ICAO	UN1956	Compressed gas, n.o.s. (Helium, Nitrogen)	2.2	NDA	NDA

# 14.6 Special precautions for user

• Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

## **Section 15 - Regulatory Information**

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Pressure(Sudden Release of)

State Right To Know					
Component CAS MA NJ PA					
Helium	7440-59-7	Yes	Yes	Yes	
Nitrogen	7727-37-9	Yes	Yes	Yes	

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Helium	7440-59-7	Yes	No	Yes	Yes	No
Nitrogen	7727-37-9	Yes	No	Yes	Yes	No
			Inventory (Cor	n't.)		
Component			CAS	Т	SCA	
Helium		7	7440-59-7 Yes		Yes	
Nitrogen		7	727-37-9		Yes	

## 

Canada - WHMIS - Classifications of Substances  • Nitrogen 7727-37-9 A  • Helium 7440-59-7 A  Canada - WHMIS - Ingredient Disclosure List  • Nitrogen 7727-37-9 Not Listed  • Helium 7440-59-7 Not Listed  Environment  Canada - 2004 NPRI (National Pollutant Release Inventory)  • Nitrogen 7727-37-9 Not Listed  Canada - 2005 NPRI (National Pollutant Release Inventory)  • Nitrogen 7727-37-9 Not Listed  Canada - 2005 NPRI (National Pollutant Release Inventory)  • Nitrogen 7727-37-9 Not Listed  Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting  • Nitrogen 7727-37-9 Not Listed  Canada - CEPA - Priority Substances List  • Nitrogen 7727-37-9 Not Listed  Canada - CEPA - Priority Substances List  • Nitrogen 7727-37-9 Not Listed	abor		
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	Canada - CEPA - Priority Substances List		
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	• Helium	7440-59-7	Not Listed

Canada - DWQ (Drinking Water Quality) - IMACs		
Nitrogen	7727-37-9	Not Listed
• Helium	7440-59-7	Not Listed
0.11		
Other  Canada - Accelerated Reduction/Elimination of Toxics (ARET)		
Nitrogen	7727-37-9	Not Listed
• Helium	7440-59-7	Not Listed
anada New Brunswick		
Environment		
Canada - New Brunswick - Ozone Depleting Substances - Schedule A		
Nitrogen	7727-37-9	Not Listed
• Helium	7440-59-7	Not Listed
Canada - New Brunswick - Ozone Depleting Substances - Schedule B		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
hina		
Environment		
China - Ozone Depleting Substances - First Schedule		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
China - Ozone Depleting Substances - Second Schedule		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
China - Ozone Depleting Substances - Third Schedule		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
Other -		
China - Annex I & II - Controlled Chemicals Lists		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
China - Dangerous Goods List		
Nitrogen	7727-37-9	(compressed or refrigerate liquid)
• Helium	7440-59-7	(compressed or refrigerated liquid)
China - Export Control List - Part I Chemicals		
China - Export Control List - Part I Chemicals  • Nitrogen	7727-37-9	Not Listed

Preparation Date: 25/July/2012 Revision Date: 07/October/2014

Nitrogen

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

Other

Not Listed

7727-37-9

Helium	7440-59-7	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
Nitrogen	7727-37-9	Not Listed
• Helium	7440-59-7	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed

## Germany

7727-37-9	Not Listed
7440-59-7	Not Listed
	ID Number 1351, not
7727-37-9	considered hazardous to water
7440-59-7	Not Listed
ses	
7727-37-9	Not Listed
7440-59-7	Not Listed
7727-37-9	Not Listed
7440-59-7	Not Listed
	7440-59-7 7727-37-9 7440-59-7 ses 7727-37-9 7440-59-7

ther		
Germany - Specifically Regulated Chemicals in TRGS		
Nitrogen	7727-37-9	Not Listed
Helium	7440-59-7	Not Listed

## **Portugal**

Other Portugal - Prohibited Substances		
Nitrogen	7727-37-9	Not Listed
• Helium	7440-59-7	Not Listed

## **United Kingdom**

Environment United Kingdom - Pollution Inventory - Schedule 1 - Thresholds for Releases	s to Air		
Nitrogen	7727-37-9	Not Listed	

Helium	7440-59-7	Not Listed	
United Kingdom - Substances Contained in Dangerous Substances or Pro	eparations		
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
Other			
United Kingdom - Workplace Exposure Limits (WELs) - Substances in Re			
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
United Kingdom - List of Dangerous Substances in Water			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
nited States			
Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
Frendin	7440-33-7	Not Listed	
U.S OSHA - Specifically Regulated Chemicals			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
Environment			
U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quanti	ities		
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCR	A RQs		
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs	<b>S</b>		
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Section 313 - Emission Reporting			
Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S CERCLA/SARA - Section 313 - PBT Chemical Listing			
<ul><li>U.S CERCLA/SARA - Section 313 - PBT Chemical Listing</li><li>Nitrogen</li></ul>	7727-37-9	Not Listed	

#### **United States - California**

Environment U.S California - Proposition 65 - Carcinogens List			
Nitrogen	7727-37-9	Not Listed	
• Helium	7440-59-7	Not Listed	
U.S California - Proposition 65 - Developmental Toxicity			
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL	.)		
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S California - Proposition 65 - No Significant Risk Levels (NSRL)			
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	
U.S California - Proposition 65 - Reproductive Toxicity - Female			
• Nitrogen	7727-37-9	Not Listed	
• Helium	7440-59-7	Not Listed	
U.S California - Proposition 65 - Reproductive Toxicity - Male			
• Nitrogen	7727-37-9	Not Listed	
Helium	7440-59-7	Not Listed	

#### **United States - Pennsylvania**

l.S Pennsylvania - RTK (Right to Know) - Env	
Nitrogen	7727-37-9 Not Listed
• Helium	7440-59-7 Not Listed
IS - Pennsylvania - RTK (Right to Know) - Sne	cial Hazardous Substances
J.S Pennsylvania - RTK (Right to Know) - Spe	
J.S Pennsylvania - RTK (Right to Know) - Spe • Nitrogen • Helium	cial Hazardous Substances 7727-37-9 Not Listed 7440-59-7 Not Listed

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

## **Section 16 - Other Information**

Last Revision Date
Preparation Date
Disclaimer/Statement of
Liability

- 07/October/2014
- 25/July/2012
- To the best of Air Liquide'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 gas mixture 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.

## Key to abbreviations

NDA = No Data Available

Nitrogen (0.0001 - 10%), Helium (Balance)