

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/06/2014 Version: 1.0

SECTION 1: Identification of the subs	stance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: LASAL 68
Product code	: SG-2003-02510
1.2. Relevant identified uses of the subst	ance or mixture and uses advised against
Use of the substance/mixture	: Laser cutting and welding
1.3. Details of the supplier of the safety d	ata 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 mi	xture
Classification (GHS-US)	
Compressed gas	H280
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	: GHS04
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H280 - Contains gas under pressure; may explode if heated OSHA-H01 - May displace oxygen and cause rapid suffocation CGA-HG03 - May increase respiration and heart rate
Precautionary statements (GHS-US)	<ul> <li>P202 - Do not handle until all safety precautions have been read and understood P271 - Use only outdoors or in a well-ventilated area P261 - Avoid breathing gas P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P313 - Get medical advice/attention CGA-PG05 - Use a back flow preventive device in the piping CGA-PG01 - Open valve slowly 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-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F) P403 - Store in a well-ventilated place P501 - Dispose of contents/container in accordance with local/regional/national/international regulations</li> </ul>
2.3. Other hazards	
No additional information available	
2.4 Unknown acute toxicity (GHS-US)	

2.4. Unknown acute toxicity (GHS-US)

No data available

Safety Data Sheet

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

## **SECTION 3: Composition/information on ingredients**

## 3.1. Substance

## Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Helium	(CAS No)7440-59-7	66	Compressed gas, H280
Nitrogen	(CAS No)7727-37-9	29	Compressed gas, H280
Carbon dioxide	(CAS No)124-38-9	5	Simple Asphy, H380 Liquefied gas, H280

SECTION 4: First aid measures	
4.1. 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 :	May displace oxygen and cause rapid suffocation. May increase respiration and heart rate. 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 :	Adverse effects not expected from this product.

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

If you feel unwell, seek medical advice. If breathing is difficult, give oxygen.

SEC1	<b>TION 5: Firefighting measures</b>		
5.1.	Extinguishing media		
Suitabl	e extinguishing media	:	Use extinguishing media appropriate for surrounding fire.
Unsuita	able extinguishing media	:	Do not use water jet.
5.2.	Special hazards arising from the s	ubst	ance or mixture
Fire ha	zard	:	The product is not flammable.
Explos	ion hazard	:	Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactiv	vity	:	None known.
5.3.	Advice for firefighters		
Firefigl	nting 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.
Protec	tion 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.

SECTIO	ON 6: Accidental release meas	sures
6.1.	Personal precautions, protective equ	lipment and emergency procedures
General ı	neasures	: Ensure adequate ventilation.
6.1.1.	For non-emergency personnel	
Protective	e equipment	: Wear protective equipment consistent with the site emergency plan.
Emergen	cy 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.

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

	, No. 507 Monday, Ma	arch 20, 2012 / Rules and Regulations	
6.1.2. For emergency respo	onders		
Protective equipment		Standard protective clothing and equip fighters. Equip cleanup crew with prop	oment (e.g., Self Contained Breathing Apparatus) for fire protection.
Emergency procedures :		Evacuate and limit access. Ventilate a	
.2. Environmental preca	utions		
ry to stop release if safe to do s	SO.		
.3. Methods and materia	I for containment	and cleaning up	
or containment	:	Try to stop release if safe to do so.	
lethods for cleaning up	:	Dispose of this material and its contain	ner in accordance with local regulations.
.4. Reference to other se	ections		
See also Sections 8 and 13.			
SECTION 7: Handling an	nd storage		
.1. Precautions for safe	handling		
dditional hazards when proces	sed :	Pressurized container: Do not pierce or pressure.	or burn, even after use. Use equipment rated for cylinder
recautions for safe handling	:	Do not handle until all safety precaution in a well-ventilated area.	ons have been read and understood. Use only outdoors or
lygiene measures	:	Do not eat, drink or smoke when using	g this product.
2. Conditions for safe s	storage, including	any incompatibilities	
echnical measures		Comply with applicable regulations.	
torage conditions	:	Do not expose to temperatures exceeding 52°C (125°F). Keep container closed when not in use. Protect cylinder from physical damage. Store in well ventilated area.	
ncompatible products	:	None known.	
ncompatible materials	:	None known.	
7.3. Specific end use(s)			
See Section 1.2.			
SECTION 8: Exposure c	ontrols/persor	nal protection	
<b>3.1.</b> Control parameters			
LASAL 68 DNEL	DNEL		*
	DITEL		
Carbon dioxide (124-38-9) USA ACGIH	ACGIH TWA (ppr	n)	5000 ppm
USA ACGIH	ACGIH STEL (pp		30000 ppm
USA OSHA	OSHA PEL (TWA	,	9000 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA		
054 05114	OSHAT EE (TWA	(ppin)	5000 ppm
Nitrogen (7727-37-9)			
Helium (7440-59-7)			
<b>Exposure controls</b>			
Appropriate engineering controls	s :	regularly checked for leakages. Ensur	khaust ventilation. Systems under pressure should be e exposure is below occupational exposure limits. Oxygen xiating gases may be released. Consider work permit
land protection			as containers. 29CFR 1910.138: Hand Protection.
Eye protection			29 CFR 1910.133: Eye and Face Protection.
Skin and body protection			- lab coats, coveralls or flame resistant clothing.
Respiratory protection		None necessary during normal and ro	•
Thermal hazard protection Environmental exposure controls		None necessary during normal and ro Refer to local regulations for restriction	n of emissions to the atmosphere. See section 13 for
	- •	specific methods for waste gas treatm	

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

11/17/2014

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

SECTION 9: Physical and chemica	I properties
9.1. Information on basic physical and	
Physical state	: Gas
Appearance	: Clear, colorless gas.
Molecular mass	: Not applicable for gas-mixtures.
Color	: Colorless
Odor	: odorless
Odor threshold	: No data available
рН	: Not applicable for gas-mixtures.
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
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not flammable - not combustible
Vapor pressure	: Not applicable.
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Relative gas density	: Lighter than air.
Solubility	<ul> <li>Water: Solubility in water of component(s) of the mixture :</li> <li>2000 mg/l</li> <li>20 mg/l</li> <li>1.5 mg/l</li> </ul>
Log Pow	: Not applicable for gas-mixtures.
Log Kow	: Not applicable for gas-mixtures.
Viscosity, kinematic	: Not applicable.
Viscosity, dynamic	: Not applicable.
Explosive properties	: Not applicable - not flammable.
Oxidizing properties	: None.
Explosive limits	: Not applicable - not flammable
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	tv
10.1. Reactivity	2 2
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 handli	ing conditions (see section 7).
10.5. Incompatible materials	
None known.	
10.6. Hazardous decomposition produc	ts
	azardous decomposition products should not be produced.
SECTION 11: Toxicological inform	ation
11.1. Information on toxicological effec	
Acute toxicity	: Not classified
11/17/2014	EN (English US) 4/8

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

Nitrogen (7727-37-9)	
LC50 inhalation rat (ppm)	410000 ppm/4h
Helium (7440-59-7)	
LC50 inhalation rat (ppm)	410000 ppm/4h
ATE US (gases)	410000.0000000 ppmV/4h
Skin corrosion/irritation	: Not classified
	pH: Not applicable for gas-mixtures.
Serious eye damage/irritation	: Not classified
	pH: Not applicable for gas-mixtures.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated	: Not classified
exposure)	No known effects from this product.
Aspiration hazard	: Not classified
	Not applicable for gases and gas-mixtures.
Symptoms/injuries after inhalation	: May displace oxygen and cause rapid suffocation. May increase respiration and heart rate. If yo 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	: Adverse effects not expected from this product.

## SECTION 12: Ecological information

Toxicity 12.1. Ecology - general

: Classification criteria are not met.

12.2. Persistence and degradability	
LASAL 68	
Persistence and degradability	No data available.
Carbon dioxide (124-38-9)	
Persistence and degradability	No ecological damage caused by this product.
Nitrogen (7727-37-9)	
Persistence and degradability	No ecological damage caused by this product.
Helium (7440-59-7)	
Persistence and degradability	No ecological damage caused by this product.
12.3. Bioaccumulative potential	
LASAL 68	
Log Pow	Not applicable for gas-mixtures.
Log Kow	Not applicable for gas-mixtures.
Bioaccumulative potential	No data available.
Carbon dioxide (124-38-9)	
BCF fish 1	(no bioaccumulation)
Log Pow	0.83
Bioaccumulative potential	No ecological damage caused by this product.
Nitrogen (7727-37-9)	

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

Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	No ecological damage caused by this product.
Helium (7440-59-7)	
Log Pow	Not applicable for inorganic gases.
Bioaccumulative potential	No ecological damage caused by this product.
12.4. Mobility in soil	
LASAL 68	
Mobility in soil	No data available.
Carbon dioxide (124-38-9)	
Ecology - soil	No ecological damage caused by this product.
Nitrogen (7727-37-9)	
Ecology - soil	No ecological damage caused by this product.
Helium (7440-59-7)	
Ecology - soil	No ecological damage caused by this product.
12.5. Other adverse effects	
Effect on ozone layer	· None.
Effect on the global warming	: Contains greenhouse gas(es) not covered by 842/2006/EC.

SECTION 13: Disposal consideration	s
13.1. Waste treatment methods	
Waste treatment methods	: Contact supplier if guidance is required. May be vented to atmosphere in a well ventilated place. 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.
Ecology - waste materials	: None known.
SECTION 14: Transport information	
In accordance with DOT	
Transport document description	: UN1956 Compressed gas, n.o.s.
UN-No.(DOT)	: 1956
DOT NA no.	: UN1956
Proper Shipping Name (DOT)	: Compressed gas, n.o.s.
Hazard labels (DOT)	: 2.2 - Non-flammable gas
	2
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 (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Additional information	
Other information	: No supplementary information available.

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

ADR Transport document description : UN 1956, 2.2, (E) Class (ADR) : 2.0 asses Hazard identification number (Kenter No.) : 20 Classification code (ADR) : 1A Hazard labels (ADR) : 2.2 - Non-flammable compressed gas Orange plates : 2.2 - Non-flammable compressed gas Turnel restriction code (ADR) : E LQ : 120ml Excepted quantities (ADR) : 1956 Proper Shipping Name (IMDG) : 2.2 - Non-flammable, non-toxic gases	Special transport precautions	: Avoid transport on vehicles where the load space is not separated from the driver's compartment Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: - Ensure there is adequate ventilation Ensure that containers are firmly secured Ensure cylinder valve is closed and not leaking Ensure valve outlet cap nut or plug (where provided) is correctly fitted Ensure valve protection device (where provided) is correctly fitted.
Class (ADR) : 2 - Gases Hazard identification number (Kemler No.) : 20 Classification code (ADR) : 1 A Hazard labels (ADR) : 2 2.2 - Non-flammable compressed gas	ADR	
Hazard labels (ADR) : 20 Classification code (ADR) : 1A Hazard labels (ADR) : 2.2 - Non-flammable compressed gas Orange plates : 20 1956 Tunnel restriction code (ADR) : E LQ : 20 1956 Froper Shipping Name (IMDG) : 1956 Proper Shipping Name (IMDG) : 2 COMPRESSED GAS, N.O.S. Class (IMOG) : 2 - Non-flammable, non-toxic gases Air transport UN-No. (IMAG) : 1956 Proper Shipping Name (IATA) : 1956 Proper Shipping Name (IATA) : 2 SECTION 15: Regulatory Information 15.1. US Federal regulations No additional information available 15.2. International regulations CANADA CANADA CATADA CATADA CATADA (Cass A - Compressed Gas Heigm (7747-3-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas	Transport document description	: UN 1956, 2.2, (E)
Classification code (ADR) : 1 A Hazard labels (ADR) : 2 1. A Hazard labels (ADR) : 2 2 Non-flammable compressed gas	Class (ADR)	: 2 - Gases
Hazard labels (ADR) : 2.2 - Non-flammable compressed gas Orange plates : 2.2 - Non-flammable compressed gas Orange plates : 2.2 - Non-flammable compressed gas Unnel restriction code (ADR) : E LQ : 20 1956 Tunnel restriction code (ADR) : E LQ : 120ml Excepted quantities (ADR) : E Transport by sea UN-No. (MCG) : 1956 Proper Shipping Name (IMDG) : 2.2 - Non-flammable, non-toxic gases Air transport UN-No. (ATA) : 1956 Proper Shipping Name (IATA) : 1956 Proper Shipping Name (IATA) : 1956 Proper Shipping Name (IATA) : 2 SECTION 15: Regulatory information UN-No. (ATA) : 2 SECTION 15: Regulatory information Viet Sea (IATA) : 2 SECTION 15: Regulatory information 15.2. International regulations No additional information available Isted on the Canadian DSL (Domestic Sustances List) WHMIS Classification : Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification : Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification : Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification : Class A - Compressed Gas	Hazard identification number (Kemler No.)	: 20
Orange plates       :       20         Drunel restriction code (ADR)       ::       E         LQ       :       1956         Tunnel restriction code (ADR)       ::       E         LQ       :       120ml         Excepted quantities (ADR)       ::       E1         Transport by sea       .       .         UN-No. (IMDG)       ::       1956         Proper Shipping Name (IMDG)       ::       2.2 - Non-flammable, non-toxic gases         Alt transport       .       .         UN-No. (IATA)       ::       1956         Proper Shipping Name (IATA)       ::       1956         Proper Shipping Name (IATA)       ::       1956         Proper Shipping Name (IATA)       ::       2.0         Statistication       ::       COMPRESSED GAS, N.O.S.         Class (IATA)       ::       2         Statistication       ::       Compression Gas         Statistication       ::       :         Statistication       ::       :         Statistication       :       :         Statistication       :       :         Statistication       :       :         Statistication <td>Classification code (ADR)</td> <td>: 1A</td>	Classification code (ADR)	: 1A
20       1956       Tunnel restriction code (ADR)     :       E     LQ     :       LQ     :       LQ     :       Excepted quantities (ADR)     :       E1     :       Transport by sea     :       UN-No. (IMDG)     :     :       Proper Shipping Name (IMDG)     :     :       Proper Shipping Name (IMDG)     :     :       Air transport     :     :       UN-No. (IATA)     :     :       Proper Shipping Name (IATA)     :     :       Proper Shipping Name (IATA)     :     :       SECTION 15: Regulatory information     :     :       T1. US Federal regulations     :     :       No additional information available     :     :       15.2. International regulations     :     :       CANDA     :     :     :       WHMIS Classification     :     Class A - Compressed Gas       Nitrogen (7727-37-9)     :     :       Listed on the Canadian DSL (Domestic Sustances List)     :       WHMIS Classification     :     Class A - Compressed Gas       Helium (7440-59-7)     :     :       Listed on the Canadian DSL (Domestic Sustances List)     :       WHMIS Class	Hazard labels (ADR)	: 2.2 - Non-flammable compressed gas
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) : 20 SECTION 15: Regulatory information 15.1. US Federal regulations No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas	Orange plates	
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) : 2.2 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 No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Heium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) UHMIS Classification Class A - Compressed Gas Heium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) UHMIS Classification Class A - Compressed Gas	Tunnel restriction code (ADR)	: E
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)         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         No additional information available         15.2. International regulations         CANADA         Carbon dioxide (124-38-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)       Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	LQ	: 120ml
JN-No. (IMDG)       : 1956         Proper Shipping Name (IMDG)       : COMPRESSED GAS, N.O.S.         Class (IMDG)       : 2.2 - Non-flammable, non-toxic gases         Air transport	Excepted quantities (ADR)	: E1
UN-No. (IMDG)       : 1956         Proper Shipping Name (IMDG)       : COMPRESSED GAS, N.O.S.         Class (IMDG)       : 2.2 - Non-flammable, non-toxic gases         Air transport	Transport by sea	
Class (IMDG) : 2.2 - Non-flammable, non-toxic gases Air transport JN-No.(IATA) : 1956 Proper Shipping Name (IATA) : COMPRESSED GAS, N.O.S. Class (IATA) : 2 SECTION 15: Regulatory information T15.1. US Federal regulations No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas		: 1956
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 No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Heium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas		: COMPRESSED GAS, N.O.S.
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 No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas	Class (IMDG)	: 2.2 - Non-flammable, non-toxic gases
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 No additional information available 15.2. International regulations CANADA Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification Class A - Compressed Gas	Air transport	
Class (IATA) : 2   SECTION 15: Regulatory information  Security information  Security information available  Security in		: 1956
SECTION 15: Regulatory information  15.1. US Federal regulations No additional information available  15.2. International regulations CANADA  Carbon dioxide (124-38-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification  Class A - Compressed Gas  Nitrogen (7727-37-9) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification  Class A - Compressed Gas  Helium (7440-59-7) Listed on the Canadian DSL (Domestic Sustances List) WHMIS Classification  Class A - Compressed Gas		: COMPRESSED GAS, N.O.S.
15.1. US Federal regulations   No additional information available   15.2. International regulations   CANADA   Carbon dioxide (124-38-9)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas   Nitrogen (7727-37-9)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas   Helium (7440-59-7)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas		: 2
15.1. US Federal regulations   No additional information available   15.2. International regulations   CANADA   Carbon dioxide (124-38-9)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas   Nitrogen (7727-37-9)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas   Helium (7440-59-7)   Listed on the Canadian DSL (Domestic Sustances List)   WHMIS Classification   Class A - Compressed Gas	SECTION 15: Regulatory informati	on
5.2. International regulations         CANADA         Carbon dioxide (124-38-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas		
Carbon dioxide (124-38-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)       Listed on the Canadian DSL (Domestic Sustances List)         Listed on the Canadian DSL (Domestic Sustances List)       UMHMIS Classification         Class A - Compressed Gas       Class A - Compressed Gas		
CANADA         Carbon dioxide (124-38-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	15.2 International regulations	
Carbon dioxide (124-38-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)       Class A - Compressed Gas         Listed on the Canadian DSL (Domestic Sustances List)       UMMIS Classification         VHMIS Classification       Class A - Compressed Gas	· ·	
Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	-	
WHMIS Classification       Class A - Compressed Gas         Nitrogen (7727-37-9)       Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)       Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         WHMIS Classification       Class A - Compressed Gas	· · · · ·	tances List)
Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	```	
Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas         Helium (7440-59-7)         Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	Nitrogen (7727-37-9)	
WHMIS Classification     Class A - Compressed Gas       Helium (7440-59-7)     Listed on the Canadian DSL (Domestic Sustances List)       WHMIS Classification     Class A - Compressed Gas		tances List)
Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas		,
Listed on the Canadian DSL (Domestic Sustances List)         WHMIS Classification       Class A - Compressed Gas	Helium (7440-59-7)	
		tances List)
FU-Regulations	WHMIS Classification	Class A - Compressed Gas
	EU-Regulations	
No additional information available	No additional information available	

Not classified

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

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

No additional information available

15.3. US State regulations

## 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

### 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

### Helium (7440-59-7)

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	<ul> <li>Revised safety data sheet in accordance with OSHA final rule on GHS implementation promulgated March 26, 2012.</li> </ul>
Training advice	. Receptacle under pressure.
Other information	<ul> <li>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.</li> </ul>

### Full text of H-phrases: see section 16:

Compressed gas	Gases under pressure Compressed gas
Liquefied gas	Gases under pressure Liquefied gas
Simple Asphy	Simple Asphyxiant
H280	Contains gas under pressure; may explode if heated
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.