CARBON TETRACHLORIDE (<=0.3%) in ARGON, KRYPTON, NITROGEN or XENON
Safety Data Sheet

1. IDENTIFICATION

Product identifier
Product Name
CARBON TETRACHLORIDE (<=0.3%) in ARGON, KRYPTON, NITROGEN or XENON

Other means of identification
Safety data sheet number
LIND-M0057
UN/ID no.
UN1956

Recommended use of the chemical and restrictions on use
Recommended Use
Industrial and professional use. Lighting gas applications.
Uses advised against
Consumer use

Details of the supplier of the safety data sheet
Linde Gas North America LLC - Linde Merchant Production Inc. - Linde LLC
575 Mountain Ave.
Murray Hill, NJ 07974
Phone: 908-464-8100
www.lindeus.com

Linde Gas Puerto Rico, Inc.
Road 869, Km 1.8
Barrio Palmas, Catano, PR 00962
Phone: 787-641-7445
www.pr.lindegas.com

Linde Canada Limited
5860 Chedworth Way
Mississauga, Ontario L5R 0A2
Phone: 905-501-1700
www.lindecanada.com

* May include subsidiaries or affiliate companies/ divisions.

For additional product information contact your local customer service.

Emergency telephone number
Company Phone Number
800-232-4726 (Linde National Operations Center, US)
905-501-0802 (Canada)
CHEMTREC: 1-800-424-9300 (North America) +1-703-527-3887 (International)
2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gases under pressure</td>
<td>Compressed gas</td>
</tr>
<tr>
<td>Simple asphyxiants</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Label elements

Signal word  Warning

Hazard Statements
Contains gas under pressure; may explode if heated
May displace oxygen and cause rapid suffocation
Suspected of causing cancer

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Use and store only outdoors or in a well ventilated place
Use a backflow preventive device in piping
Use only with equipment rated for cylinder pressure
Close valve after each use and when empty

Precautionary Statements - Response
IF EXPOSED OR CONCERNED: Get medical advice/ attention.

Precautionary Statements - Storage
Store locked up
Protect from sunlight when ambient temperature exceeds 52°C/ 125°F

Precautionary Statements - Disposal
Dispose of contents/ containers in accordance with container supplier/ owner instructions

Hazards not otherwise classified (HNOC)
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical Name | CAS No. | Volume % | Chemical Formula
--- | --- | --- | ---
Xenon | 7440-63-3 | 0-99 | Xe
Nitrogen | 7727-37-9 | 0-99 | N₂
Krypton | 7439-90-9 | 0-99 | Kr
Argon | 7440-37-1 | 0-99 | Ar
Carbon tetrachloride | 56-23-5 | <=0.3 | CCl₄

Composition covers range of mixtures that fall within the same hazard classifications.

### 4. FIRST AID MEASURES

#### Description of first aid measures

**General advice**
Show this safety data sheet to the doctor in attendance.

**Inhalation**
Remove to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention immediately. **IF EXPOSED OR CONCERNED:** Get medical advice/attention.

**Skin contact**
None under normal use. Get medical attention if symptoms occur.

**Eye contact**
None under normal use. Get medical attention if symptoms occur.

**Ingestion**
Not an expected route of exposure.

**Self-protection of the first aider**
RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS.

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

**Symptoms**
Simple asphyxiant. May cause suffocation by displacing the oxygen in the air. Exposure to oxygen-deficient atmosphere (<19.5%) may cause dizziness, drowsiness, nausea, vomiting, excess salivation, diminished mental alertness, loss of consciousness and death. Exposure to atmospheres containing 8-10% or less oxygen will bring about unconsciousness without warning and so quickly that the individuals cannot help or protect themselves. Lack of sufficient oxygen may cause serious injury or death.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Specific extinguishing methods
Continue to cool fire exposed cylinders until flames are extinguished. Damaged cylinders should be handled only by specialists.

#### Specific hazards arising from the chemical
Non-flammable gas. Cylinders may rupture under extreme heat.

**Hazardous combustion products**
Phosgene, Hydrogen chloride.

#### Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Monitor oxygen level. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.

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

Methods and material for containment and cleaning up

Methods for containment
Stop the flow of gas or remove cylinder to outdoor location if this can be done without risk. If leak is in container or container valve, contact the appropriate emergency telephone number in Section 1 or call your closest Linde location.

Methods for cleaning up
Return cylinder to Linde or an authorized distributor.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Protect cylinders from physical damage; do not drag, roll, slide or drop. When moving cylinders, even for short distance, use a cart designed to transport cylinders. Never attempt to lift a cylinder by its valve protection cap. Never insert an object (e.g. wrench, screwdriver, pry bar, etc.) into valve cap openings. Doing so may damage valve, causing leak to occur. Use an adjustable strap wrench to remove over-tight or rusted caps. Use only with adequate ventilation. Use a backflow preventive device in piping. Use only with equipment rated for cylinder pressure. Close valve after each use and when empty. If user experiences any difficulty operating cylinder valve discontinue use and contact supplier. Ensure the complete gas system has been checked for leaks before use.

Never put cylinders into trunks of cars or unventilated areas of passenger vehicles. Never attempt to refill a compressed gas cylinder without the owner's written consent. Never strike an arc on a compressed gas cylinder or make a cylinder a part of an electrical circuit.

Only experienced and properly instructed persons should handle gases under pressure. Always store and handle compressed gas cylinders in accordance with Compressed Gas Association, pamphlet CGA-P1, Safe Handling of Compressed Gases in Containers.

For additional recommendations consult Compressed Gas Association's (CGA) Safety Bulletin SB-2, Oxygen-Deficient Atmospheres.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Store in cool, dry, well-ventilated area of non-combustible construction away from heavily trafficked areas and emergency exits. Keep at temperatures below 52°C / 125°F. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders from being stored for excessive periods of time. Stored containers should be periodically checked for general condition and leakage.

Incompatible materials
None known based on information supplied.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>STEL: 10 ppm TWA: 5 ppm</td>
<td>TWA: 10 ppm (vacated) TWA: 2 ppm (vacated) TWA: 12.6 mg/m³ Ceiling: 25 ppm</td>
<td>IDLH: 200 ppm STEL: 2 ppm 60 min STEL: 12.6 mg/m³ 60 min</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
Local exhaust ventilation to prevent accumulation of high concentrations and maintain air-oxygen levels at or above 19.5%. Oxygen detectors should be used when asphyxiating gases may be released. Systems under pressure should be regularly checked for leakages.

Individual protection measures, such as personal protective equipment

Eye/ face protection
Wear safety glasses with side shields (or goggles).

Skin and body protection
Work gloves and safety shoes are recommended when handling cylinders.

Respiratory protection
Use positive pressure airline respirator with escape cylinder or self contained breathing apparatus for oxygen-deficient atmospheres (<19.5%). If exposure limits are exceeded or irritation is experienced, NIOSH/ MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Product Information
Physical state
Compressed gas
Appearance
Colorless.
Odor
Slight, Pungent.
Odor threshold
No information available
pH
No data available
Melting point
No data available
Evaporation rate
Not applicable
Lower flammability limit:
Not applicable
Upper flammability limit:
Not applicable
Flash point
No information available
Autoignition temperature
No data available
Decomposition temperature
No data available
Partition coefficient
No data available
Kinematic viscosity
Not applicable
### Chemical Name | Molecular weight | Boiling point | Vapor Pressure | Vapor density (air =1) | Gas Density kg/ m³@ 20°C | Critical Temperature
--- | --- | --- | --- | --- | --- | ---
Xenon | 131.29 | -108.1 °C | Above critical temperature | 4.55 | 5.472 | 16.6 °C
Nitrogen | 28.01 | -196 °C | Above critical temperature | 0.97 | 1.153 | -146.9 °C
Krypton | 83.79 | -153.4 °C | Above critical temperature | 2.89 | 3.479 | -228.8 °C
Argon | 39.95 | -185.9 °C | Above critical temperature | 1.38 | 1.65 | -122.3 °C
Carbon tetrachloride | 153.82 | 76.7 °C | 119.4 hPa @ 20 °C | 5.32 | n/a | n/a

Note: n/a = No Data Available.

### 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions

**Chemical stability**
Stable under normal conditions.

**Explosion data**
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

**Possibility of Hazardous Reactions**
None under normal processing.

**Conditions to avoid**
None under recommended storage and handling conditions (see Section 7).

**Incompatible materials**
None known.

**Hazardous Decomposition Products**

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Inhalation**
Experimental exposure of mice resulted in behavioural changes, ataxia, muscle contraction and spasticity. Degenerative changes in the liver and kidneys were noted in rodents at concentrations of 445-825 ppm and neurotoxicity occurred in mice prior to death at 635 ppm.

**Skin contact**
No data available.

**Eye contact**
No data available.

**Ingestion**
Not an expected route of exposure.

**Information on toxicological effects**

**Symptoms**
Simple asphyxiant. May cause suffocation by displacing the oxygen in the air. Exposure to oxygen-deficient atmosphere (<=18%) may cause dizziness, drowsiness, nausea, vomiting, excess salivation, diminished mental alertness, loss of consciousness and death. Exposure to atmospheres containing 8-10% or less oxygen will bring about unconsciousness without warning and so quickly
that the individuals cannot help or protect themselves. Lack of sufficient oxygen may cause serious injury or death.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Not classified.
Sensitization Not classified.
Germ cell mutagenicity Not classified.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>A2</td>
<td>Group 2B</td>
<td>Reasonably Anticipated</td>
<td>X</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Not classified.
STOT - single exposure Not classified.
STOT - repeated exposure Not classified.
Target Organ Effects Liver, Kidney, Central nervous system (CNS).
Aspiration hazard Not applicable.

Numerical measures of toxicity

Component Level Information:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
<th>Inhalation LC50 (CGA P-20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>= 2350 mg/kg (Rat)</td>
<td>= 5070 mg/kg (Rat)</td>
<td>= 8000 ppm (Rat) 4 h</td>
<td>-</td>
</tr>
</tbody>
</table>

Product Information

Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50 No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/ aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>830: 24 h Tetrahymena pyriformis mg/ L EC50</td>
<td>36.3 - 47.3: 96 h Pimephales promelas mg/ L LC50 flow-through 9.68 - 11.3: 96 h Pimephales promelas mg/ L LC50 static 23 - 33: 96 h Lepomis macrochirus mg/ L LC50 static</td>
<td>29: 48 h Daphnia magna mg/ L EC50 28: 24 h Daphnia magna mg/ L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability
No information available.

Bioaccumulation
No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>2.75</td>
</tr>
</tbody>
</table>
Ozone depletion potential (ODP)  
(R-11 =1): 1.1 (Carbon Tetrachloride)

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes**

Do not attempt to dispose of residual waste or unused quantities. Return in the shipping container PROPERLY LABELED WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to Linde for proper disposal.

### 14. TRANSPORT INFORMATION

**Note:** The technical names of components listed as part of shipping description will depend on specific mixture composition and/or balance gas.

#### DOT

<table>
<thead>
<tr>
<th>UN/ ID no.</th>
<th>UN1956</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Compressed gas, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s. (Carbon tetrachloride, XXXXX), 2.2, Emergency Response Guide Number 126</td>
</tr>
</tbody>
</table>

#### TDG

<table>
<thead>
<tr>
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<th>UN1956</th>
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<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s., 2.2</td>
</tr>
</tbody>
</table>

#### MEX

<table>
<thead>
<tr>
<th>UN/ ID no.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Compressed gas, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s. (Carbon tetrachloride, XXXXX), 2.2</td>
</tr>
</tbody>
</table>

#### IATA

<table>
<thead>
<tr>
<th>UN/ ID no.</th>
<th>UN1956</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Compressed gas, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>ERG Code</td>
<td>2L</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s. (Carbon tetrachloride, XXXXX), 2.2</td>
</tr>
</tbody>
</table>

#### IMDG

<table>
<thead>
<tr>
<th>UN/ ID no.</th>
<th>UN1956</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Compressed gas, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>EmS-No.</td>
<td>F-C, S-V</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>274</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s. (Carbon tetrachloride, XXXXX), 2.2, Marine Pollutant</td>
</tr>
</tbody>
</table>

#### ADR

<table>
<thead>
<tr>
<th>UN/ ID no.</th>
<th>UN1956</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Compressed gas, n.o.s.</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>2.2</td>
</tr>
<tr>
<td>Classification code</td>
<td>1A</td>
</tr>
<tr>
<td>Tunnel restriction code</td>
<td>(E)</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>274, 655</td>
</tr>
<tr>
<td>Description</td>
<td>UN1956, Compressed gas, n.o.s. (Carbon tetrachloride, XXXXX), 2.2, (E)</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

International Inventories

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL/ NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ ELINCS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

Legend:

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/ NDSL** - Canadian Domestic Substances List/ Non-Domestic Substances List
- **EINECS/ ELINCS** - European Inventory of Existing Chemical Substances/ European List of Notified Chemical Substances

US Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride - 56-23-5</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**SARA 311/ 312 Hazard Categories**

- Acute Health Hazard: No
- Chronic Health Hazard: Yes
- Fire Hazard: No
- Sudden release of pressure hazard: Yes
- Reactive Hazard: No

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/ SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride - 56-23-5</td>
<td>10 lb</td>
<td>-</td>
<td>10 lb</td>
</tr>
</tbody>
</table>

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Hazardous air pollutants (HAPs) content</th>
<th>VOC Chemicals</th>
<th>Class 1</th>
<th>Class 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>56-23-5</td>
<td>Group I</td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>10 lb</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**Risk and Process Safety Management Programs**

This material, as supplied, does not contain any regulated substances with specified thresholds under 40 CFR Part 68. This product does not contain any substances regulated as Highly Hazardous Chemicals pursuant to the 29 CFR Part 1910.110.

**US State Regulations**
California Proposition 65
This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride - 56-23-5</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Krypton</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7439-90-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Argon</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7440-37-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xenon</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7440-63-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrogen</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7727-37-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon tetrachloride - 56-23-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

International Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogenicity</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon tetrachloride</td>
<td>A2</td>
<td>Mexico: TWA 5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: TWA 30 mg/ m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 20 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 126 mg/ m³</td>
</tr>
</tbody>
</table>

Legend
Canada NPRI - National Pollutant Release Inventory
X" designates that ingredient is on NPRI list.

16. OTHER INFORMATION

NFPA
Health hazards 0
Flammability 0
Instability 0
Physical and Chemical Properties Simple
asphyxiant

Note: Ratings were assigned in accordance with Compressed Gas Association (CGA) guidelines as published in CGA Pamphlet P-19-2009, CGA Recommended Hazard Ratings for Compressed Gases, 3rd Edition.

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End of Safety Data Sheet