Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Safety Data Sheet 50057
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 03/11/2015 Version: 1.0

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

1.1. Product identifier
Product form : Mixture
Product name : Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Replaces ISC MSDS No. : 1810-8068, 1810-8548

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
U.S. Supplier: Industrial Scientific Corporation
1 Life Way
Pittsburgh, PA 15205-7500
Phone (412) 788-4353
TOLL-FREE 800-DETECTS
Fax (412) 788-8353

MANUFACTURER: CALGAZ
821 Chesapeake Drive
Cambridge, MD 21613

1.4. Emergency telephone number
Emergency number : CHEMTREC: 1-800-424-9300
Internationally: 1-703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-US)
Compressed gas H280
Full text of H-phrases: see section 16

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
CA-HG03 - May increase respiration and heart rate
Precautionary statements (GHS-US) : P202 - Do not handle until all safety precautions have been read and understood
P271 - Use only outdoors or in a well-ventilated area
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P313 - Get medical advice/attention
P403 - Store in a well-ventilated place
CA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F)
CA-PG05 - Use a back flow preventive device in the piping
CA-PG06 - Close valve after each use and when empty
CA-PG10 - Use only with equipment rated for cylinder pressure
CA-PG14 - Approach suspected leak area with caution
CA-PG21 - Open valve slowly
Safety Data Sheet
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>(CAS No) 7727-37-9</td>
<td>28.5 - 99.8945</td>
<td>Compressed gas, H280</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>(CAS No) 124-38-9</td>
<td>0.0005 - 50</td>
<td>Liquefied gas, H280</td>
</tr>
<tr>
<td>Oxygen</td>
<td>(CAS No) 7782-44-7</td>
<td>0.005 - 19</td>
<td>Ox. Gas 1, H270</td>
</tr>
<tr>
<td>Methane</td>
<td>(CAS No) 74-82-8</td>
<td>0.1 - 2.5</td>
<td>Flam. Gas 1, H220</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation: Remove victim 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 after inhalation: May displace oxygen and cause rapid suffocation.
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.

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.

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.

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 firefighters. 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.
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

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

6.1.1. For non-emergency personnel
Protective equipment: Wear protective equipment consistent with the site emergency plan.

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.
Safe handling of the gas receptacle: Protect cylinders from physical damage; do not drag, roll, slide or drop. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.
Safe use of the product: The substance must be handled in accordance with good industrial hygiene and safety procedures. Only experienced and properly instructed persons should handle gases under pressure. Consider pressure relief device(s) in gas installations. Ensure the complete gas system was (or is regularly) checked for leaks before use. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt.
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. Store in well ventilated area.
Incompatible products: None known.
Incompatible materials: None known.
Storage area: Store away from heat. Store in a well-ventilated place.

7.3. Specific end use(s)
See Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (0.005 - 19%) Carbon Dioxide (0.0005 - 50%) Methane (0.1 - 2.5%) Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>ACGIH</td>
<td>OSHA</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>ACGIH TWA (ppm)</td>
<td>5000 ppm</td>
</tr>
</tbody>
</table>
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Safety Data Sheet

Carbon dioxide (124-38-9)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH STEL (ppm)</th>
<th>30000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>9000 mg/m³</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>5000 ppm</td>
</tr>
</tbody>
</table>

Methane (74-82-8)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th>1000 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

Nitrogen (7727-37-9)

| ACGIH | Not applicable  | |
|-------|-----------------| |
| OSHA  | Not applicable  | |

8.2. Exposure controls

Appropriate engineering controls: Provide adequate general and local exhaust ventilation. Systems under pressure should be regularly checked for leakages. Consider work permit systems e.g. for maintenance activities. Ensure exposure is below occupational exposure limits.


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. See Sections 5 & 6.

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.


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: 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
Relative evaporation rate (butyl acetate=1): No data available
Relative evaporation rate (ether=1): Not applicable for gas-mixtures.
Flammability (solid, gas): See Sect. 2.1 & 2.2
Explosion limits: Not applicable - not flammable
Explosive properties: Not applicable - not flammable.
Oxidizing properties: None.
Vapor pressure: Not applicable.
Relative density: No data available
Relative vapor density at 20 °C: No data available
Molecular mass: Not applicable for gas-mixtures.
Relative gas density: Heavier than air.
Solubility: Water: Solubility in water of component(s) of the mixture:

- 39 mg/l
- 2000 mg/l
- 26 mg/l
- 20 mg/l

Log Pow: Not applicable for gas-mixtures.
Log Kow: Not applicable for gas-mixtures.
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Safety Data Sheet

Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Viscosity, kinematic: Not applicable.
Viscosity, dynamic: Not applicable.

Additional information: Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 inhalation rat (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>800000 ppm/4h</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>820000 ppm/4h</td>
</tr>
<tr>
<td>Methane (74-82-8)</td>
<td>820000 ppm/4h</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td>820000 ppm/4h</td>
</tr>
</tbody>
</table>

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 exposure): Not classified
Aspiration hazard: Not classified
### Symptoms/injuries after inhalation
May displace oxygen and cause rapid suffocation.

### 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

##### 12.1. Toxicity
Ecology - general: No ecological damage caused by this product.

##### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Persistence and degradability: No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>Persistence and degradability: No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Methane (74-82-8)</td>
<td>Persistence and degradability: The substance is biodegradable. Unlikely to persist. No data available.</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td>Persistence and degradability: No ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

##### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Not applicable for inorganic gases.</td>
<td>No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>(no bioaccumulation)</td>
<td>No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Methane (74-82-8)</td>
<td>Not applicable for gas mixtures</td>
<td>No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td>Not applicable for inorganic gases.</td>
<td>No ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

##### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>No ecological damage caused by this product.</td>
</tr>
</tbody>
</table>
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance  

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Mobility in soil</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methane (74-82-8)</td>
<td>No data available.</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td>No ecological damage caused by this product.</td>
<td></td>
</tr>
</tbody>
</table>

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 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.

SECTION 14: Transport information  
Department of Transportation (DOT)  
In accordance with DOT  
Transport document description : UN1956 Compressed gas, n.o.s.  
UN-No.(DOT) : UN1956  
Proper Shipping Name (DOT) : Compressed gas, n.o.s.  
Hazard labels (DOT) : 2.2 - Non-flammable gas

DOT Packaging Non Bulk (49 CFR 173.xxx) : 302;305  
DOT Packaging Bulk (49 CFR 173.xxx) : 314;315  
DOT Symbols : G - Identifies PSN requiring a technical name  
DOT Packaging Exceptions (49 CFR 173.xxx) : 306;307  
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.  
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.

ADR  
Transport document description : UN 1956 COMPRESSED GAS, N.O.S., 2.2  
Class (ADR) : 2 - Gases
### Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

**Safety Data Sheet**

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

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**Hazard labels (ADR)**: 2.2 - Non-flammable compressed gas

---

**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

- **Oxygen (7782-44-7)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Carbon dioxide (124-38-9)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Methane (74-82-8)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

- **Nitrogen (7727-37-9)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

**CANADA**

- **Oxygen (7782-44-7)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - **WHMIS Classification**: Class A - Compressed Gas
    - Class C - Oxidizing Material

- **Carbon dioxide (124-38-9)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - **WHMIS Classification**: Class A - Compressed Gas

- **Methane (74-82-8)**
  - Listed on the Canadian DSL (Domestic Sustances List)
  - **WHMIS Classification**: Class A - Compressed Gas
    - Class B Division 1 - Flammable Gas

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

**EU-Regulations**

- **Oxygen (7782-44-7)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commerical Chemical Substances)

- **Carbon dioxide (124-38-9)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commerical Chemical Substances)

- **Methane (74-82-8)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commerical Chemical Substances)

- **Nitrogen (7727-37-9)**
  - Listed on the EEC inventory EINECS (European Inventory of Existing Commerical Chemical Substances)
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Safety Data Sheet

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
No additional information available

National regulations

Oxygen (7782-44-7)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECS (Inventory of Existing Chemical Substances Produced or Imported in China)
- 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)

Carbon dioxide (124-38-9)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECS (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)

Methane (74-82-8)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECS (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)

Nitrogen (7727-37-9)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECS (Inventory of Existing Chemical Substances Produced or Imported in China)
- 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

Oxygen (7782-44-7)
- 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

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

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

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

SECTION 16: Other information

Indication of changes: Revised safety data sheet in accordance with OSHA final rule on GHS implementation promulgated March 26, 2012.
Oxygen (0.005 - 19%), Carbon Dioxide (0.0005 - 50%), Methane (0.1 - 2.5%), Carbon Monoxide (0.0005 - 0.09%) in Nitrogen Balance

Safety Data Sheet

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Compressed gas</th>
<th>Gases under pressure Compressed gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Gas 1</td>
<td>Flammable gases Category 1</td>
</tr>
<tr>
<td>Liquefied gas</td>
<td>Gases under pressure Liquefied gas</td>
</tr>
<tr>
<td>Ox. Gas 1</td>
<td>Oxidizing gases Category 1</td>
</tr>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
<td>H270</td>
<td>May cause or intensify fire; oxidizer</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
</tbody>
</table>

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 gas mixture. To the best of Calgaz’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.