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

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen</td>
</tr>
<tr>
<td>Replaces ISC MSDS NO.</td>
<td>1810-5700, 1810-5767</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Hazard pictograms (GHS-US)</th>
<th></th>
</tr>
</thead>
</table>

**Signal word (GHS-US):** Warning

**Hazard statements (GHS-US):**  
H280 - Contains gas under pressure; may explode if heated  
CGA-HG24 - Supports combustion.

**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  
P280 - Wear eye protection, face protection, protective gloves, protective clothing  
P403 - Store in a well-ventilated place  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations  
CGA-PG02 - Protect from sunlight when ambient temperature exceeds 52°C (125°F)  
CGA-PG05 - Use a back flow preventive device in the piping  
CGA-PG06 - Close valve after each use and when empty  
CGA-PG10 - Use only with equipment rated for cylinder pressure  
CGA-PG14 - Approach suspected leak area with caution  
CGA-PG21 - Open valve slowly

### 2.3. Other hazards

No additional information available
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>76.4995 - 80.4995</td>
<td>Compressed gas, H280</td>
</tr>
<tr>
<td>Oxygen</td>
<td>(CAS No) 7782-44-7</td>
<td>19.5 - 23.5</td>
<td>Ox. Gas 1, H270</td>
</tr>
<tr>
<td>1,3-Butadiene</td>
<td>(CAS No) 106-99-0</td>
<td>0.0005</td>
<td>Flam. Gas 1, H220, Liquefied gas, H280, Muta. 1B, H340, Carc. 1A, H350</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 : Adverse effects not expected from this product.
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 : Adverse effects not expected from this product.
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 to extinguish.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is not flammable.
Explosion hazard : Product is not explosive. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity : None known.

5.3. Advice for firefighters

Firefighting instructions : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting : Standard protective clothing and equipment (e.g., Self Contained Breathing Apparatus) for fire fighters. Do not enter fire area without proper protective equipment, including respiratory protection.
Specific methods : Exposure to fire may cause containers to rupture/explode. Continue water spray from protected position until container stays cool. Move containers away from the fire area if this can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation.
1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen
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. Close valve after each use and when empty.
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 : Do not remove or deface labels provided by the supplier for the identification of the cylinder contents. Protect cylinders from physical damage; do not drag, roll, slide or drop.
Safe use of the product : 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 : Flammable materials.
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>1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1,3-Butadiene (106-99-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oxygen (7782-44-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>
### 1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen

Safety Data Sheet

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

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
</tr>
</tbody>
</table>

**8.2. Exposure controls**

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


- **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.

- **Other information**: Wear safety shoes while handling containers. 29 CFR 1910.136: Foot Protection.

### 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**: Gasoline-like
- **Odor threshold**: No Data Available
- **pH**: No data available
- **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
- **Flammability (solid, gas)**: See Section 2.1 and 2.2
- **Explosion limits**: Not applicable - not flammable
- **Explosive properties**: Not applicable - not flammable.
- **Oxidizing properties**: Supports combustion.
- **Vapor pressure**: No data available
- **Relative density**: No data available
- **Relative vapor density at 20 °C**: No data available
- **Molecular mass**: Not applicable for gas-mixtures.
- **Relative gas density**: Similar to air
- **Solubility**: No data available
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None known.
### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Can form explosive mixtures with flammable materials.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Flammable materials.

### 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

<table>
<thead>
<tr>
<th>Likely routes of exposure</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**1,3-Butadiene (106-99-0)**

- LD50 oral rat: 5480 mg/kg
- LC50 inhalation rat (mg/l): 285 g/m³ (Exposure time: 4 h)
- LC50 inhalation rat (ppm): 110000 ppm/4h

**Oxygen (7782-44-7)**

- LC50 inhalation rat (ppm): 800000 ppm/4h

**Nitrogen (7727-37-9)**

- LC50 inhalation rat (ppm): 820000 ppm/4h

### 1,3-Butadiene (106-99-0)

- Skin corrosion/irritation: Not classified
- Serious eye damage/irritation: Not classified
- Respiratory or skin sensitization: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified

**IARC group**: 1 - Carcinogenic to humans

**National Toxicology Program (NTP) Status**: 1 - Evidence of Carcinogenicity, 2 - Known Human Carcinogens

**In OSHA Hazard Communication Carcinogen list**: Yes

**In OSHA Specifically Regulated Carcinogen list**: Yes

**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**: Adverse effects not expected from this product.

**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

No additional information available
12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Butadiene</td>
<td>Not readily biodegradable.</td>
</tr>
<tr>
<td>Oxygen</td>
<td>No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>No ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF fish 1</th>
<th>Log Pow</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Butadiene</td>
<td>13 - 19.1</td>
<td>1.99</td>
<td>Not expected to bioaccumulate due to the low log Kow (log Kow &lt; 4). Refer to section 9.</td>
</tr>
<tr>
<td>Oxygen</td>
<td></td>
<td></td>
<td>Not applicable for inorganic gases.</td>
</tr>
<tr>
<td>Nitrogen</td>
<td></td>
<td></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>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3-Butadiene</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
</tr>
<tr>
<td>Oxygen</td>
<td>No ecological damage caused by this product.</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>No ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect on ozone layer</td>
<td>No known effects from this product.</td>
</tr>
<tr>
<td>Effect on the global warming</td>
<td>No known ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste treatment methods</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste disposal recommendations</td>
<td>Refer to the CGA Pamphlet P-63 &quot;Disposal of Gases&quot; available at <a href="http://www.cganet.com">www.cganet.com</a> for more guidance on suitable disposal methods.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

Department of Transportation (DOT)

<table>
<thead>
<tr>
<th>In accordance with DOT</th>
<th>UN1956 Compressed gas, n.o.s. Nitrogen, Oxygen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport document description</td>
<td>UN1956</td>
</tr>
<tr>
<td>UN-No. (DOT)</td>
<td>Compressed gas, n.o.s. Nitrogen, Oxygen</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>2.2 - Non-flammable gas</td>
</tr>
</tbody>
</table>

04/14/2015  EN (English US)  SDS ID: 50066 P/N: 3571  6/1
1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.

ADR
Transport document description : UN 1956, 2.2, (E)
Class (ADR) : 2 - Gases
Hazard identification number (Kemler No.) : 20
Classification code (ADR) : 1A
Hazard labels (ADR) : 2.2 - Non-flammable compressed gas

Orange plates :

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

Transport by sea
UN-No. (IMDG) : 1956
Proper Shipping Name (IMDG) : COMPRESSED GAS, N.O.S.
Class (IMDG) : 2 - 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

1,3-Butadiene (106-99-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on United States SARA Section 313
SARA Section 313 - Emission Reporting 0.1 %

Oxygen (7782-44-7)
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
1, 3-Butadiene (5PPM), Oxygen (19.5% - 23.5%), in Nitrogen
Safety Data Sheet

1,3-Butadiene (106-99-0)
- Listed on the Canadian DSL (Domestic Sustances List)
  - WHMIS Classification:
    - Class A - Compressed Gas
    - Class B Division 1 - Flammable Gas
    - Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
    - Class F - Dangerously Reactive Material

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

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

EU-Regulations
1,3-Butadiene (106-99-0)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Oxygen (7782-44-7)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Nitrogen (7727-37-9)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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

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

National regulations
1,3-Butadiene (106-99-0)
- Listed on IARC (International Agency for Research on Cancer)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Korean ECL (Existing Chemicals List)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Japanese Pollutant Release and Transfer Register Law (PRTR Law)
- Listed as carcinogen on NTP (National Toxicology Program)
- Listed on the Canadian IDL (Ingredient Disclosure List)

Oxygen (7782-44-7)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (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)

Nitrogen (7727-37-9)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (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

1,3-Butadiene (106-99-0)
- U.S. - California - Proposition 65 - Carcinogens List
  - Yes
- U.S. - California - Proposition 65 - Developmental Toxicity
  - Yes
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female
  - Yes
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male
  - No
- No significance risk level (NSRL)
  - 0.4 µg/day
### 1, 3-Butadiene (106-99-0)

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

### 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

### 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.

**Other information**: This Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR, 1910.1200. Other government regulations must be reviewed for applicability to this product.

### Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-phrases</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity Category 1A</td>
</tr>
<tr>
<td>Compressed gas</td>
<td>Gases under pressure Compressed gas</td>
</tr>
<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>Muta. 1B</td>
<td>Germ cell mutagenicity Category 1B</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>
<tr>
<td>H340</td>
<td>May cause genetic defects (Inhalation)</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</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.