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

**1.1. Product identifier**

- **Product form**: Mixture
- **Product name**: Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance
- **Replaced ISC MSDS No.**: 1810-8952

**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](image)

- **Signal word (GHS-US)**: Warning
- **Hazard statements (GHS-US)**: H280 - Contains gas under pressure; may explode if heated
- **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
  - P403 - Store in a well-ventilated place
  - 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**

**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>74.5 - 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>Acetylene</td>
<td>(CAS No) 74-86-2</td>
<td>0.0005 - 2</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

<table>
<thead>
<tr>
<th>First-aid measures general</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-aid measures after inhalation</td>
<td>If you feel unwell, seek medical advice (show the label where possible).</td>
</tr>
<tr>
<td>First-aid measures after skin contact</td>
<td>Adverse effects not expected from this product.</td>
</tr>
<tr>
<td>First-aid measures after eye contact</td>
<td>Adverse effects not expected from this product.</td>
</tr>
<tr>
<td>First-aid measures after ingestion</td>
<td>Ingestion is not considered a potential route of exposure.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Symptoms/injuries</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/injuries after inhalation</td>
<td>Adverse effects not expected from this product.</td>
</tr>
<tr>
<td>Symptoms/injuries after skin contact</td>
<td>Adverse effects not expected from this product.</td>
</tr>
<tr>
<td>Symptoms/injuries after eye contact</td>
<td>Adverse effects not expected from this product.</td>
</tr>
<tr>
<td>Symptoms/injuries after ingestion</td>
<td>Ingestion is not considered a potential route of exposure.</td>
</tr>
<tr>
<td>Symptoms/injuries upon intravenous administration</td>
<td>Not known.</td>
</tr>
<tr>
<td>Chronic symptoms</td>
<td>Adverse effects not expected from this product.</td>
</tr>
</tbody>
</table>

### 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 | Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Product is not explosive. |
| 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. |

SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

| General measures | Ensure adequate ventilation. |

### 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 firefighters. 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.
Hygiene measures: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: None known.
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.

7.3. Specific end use(s)
Test gas/Calibration gas.

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 (19.5-23.5%) in Nitrogen Balance</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Acetylene (74-86-2)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Nitrogen (7727-37-9)</td>
<td>Not applicable</td>
<td>Not applicable</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.
**Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) 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>Thermal hazard protection</th>
<th>None necessary during normal and routine operations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental exposure controls</td>
<td>Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.</td>
</tr>
<tr>
<td>Other information</td>
<td>Wear safety shoes while handling containers. 29 CFR 1910.136: Foot Protection.</td>
</tr>
</tbody>
</table>

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless gas.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour(s): Garlic like.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable for gas-mixtures.</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (ether=1)</td>
<td>Not applicable for gas-mixtures.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable - not combustible</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable - not flammable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable - not flammable.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Supports combustion. Not combustible but enhances combustion of other substances.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>Not applicable for gas-mixtures.</td>
</tr>
</tbody>
</table>
| Solubility | Water: Solubility in water of component(s) of the mixture:
  • : 1185 mg/l
  • : 39 mg/l
  • : 20 mg/l |
| Log Pow | Not applicable for gas-mixtures. |
| Log Kow | Not applicable for gas-mixtures. |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Viscosity, kinematic | Not applicable. |
| Viscosity, dynamic | Not applicable. |

**9.2. Other information**

Additional information : None.

**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

Acute toxicity : Not classified

Acetylene (74-86-2)
LC50 inhalation rat (ppm) 820000 ppm/4h

Oxygen (7782-44-7)
LC50 inhalation rat (ppm) 800000 ppm/4h

Nitrogen (7727-37-9)
LC50 inhalation rat (ppm) 820000 ppm/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 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

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

12.2. Persistence and degradability

Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance
Persistence and degradability : No data available.

Acetylene (74-86-2)
Persistence and degradability : Will rapidly degrade by indirect photolysis in air. Will not undergo hydrolysis.

Oxygen (7782-44-7)
Persistence and degradability : No ecological damage caused by this product.

Nitrogen (7727-37-9)
Persistence and degradability : No ecological damage caused by this product.

12.3. Bioaccumulative potential

Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance
Log Pow : Not applicable for gas-mixtures.
Log Kow : Not applicable for gas-mixtures.
Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) 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>Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acetylene (74-86-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oxygen (7782-44-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility in soil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acetylene (74-86-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Oxygen (7782-44-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nitrogen (7727-37-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

Effect on ozone layer : None.
Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Contact supplier if guidance is required. May be vented to atmosphere. 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
Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance

Safety Data Sheet

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

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, 2.2
Class (ADR): 2 - Gases
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

Acetylene (74-86-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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

Acetylene (74-86-2)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification
Class A - Compressed Gas
Class B Division 1 - Flammable Gas
Class F - Dangerously Reactive Material

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

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

EU-Regulations

Acetylene (74-86-2)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**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**

**Acetylene (74-86-2)**
- 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)

**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**

**Acetylene (74-86-2)**
- 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

**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.
Oxygen (19.5-23.5%) Acetylene (0.0005-2.0%) in Nitrogen Balance
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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>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.