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

1.1. Product identifier

Product form : Mixture
Product name : Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen
Product code : HC-2004-03398

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

Air Liquide
2700 Post Oak Boulevard
Houston, TX 77056 - USA
T 1-800-819-1704
www.us.airliquide.com

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

| Ox. Gas 1 | H270 |
| Compressed gas | H280 |
| Repr. 1A | H360 |
| STOT SE 3 | H335 |
| STOT SE 3 | H336 |

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US)

- GHS03
- GHS04
- GHS07
- GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US)

- H270 - May cause or intensify fire; oxidizer
- H280 - Contains gas under pressure; may explode if heated
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H360 - May damage fertility or the unborn child (Inhalation)
- OSHA-H01 - May displace oxygen and cause rapid suffocation
- CGA-HG03 - May increase respiration and heart rate

Precautionary statements (GHS-US)

- P202 - Do not handle until all safety precautions have been read and understood
- P220 - Keep/Store away from combustible materials, clothing
- P244 - Keep reduction valves/valves and fittings free from oil and grease
- P261 - Avoid breathing gas
- P271 - Use only outdoors or in a well-ventilated area
- P280 - Wear eye protection, face protection, protective gloves, protective clothing
- P304+P313 - If inhaled: Remove person to fresh air and keep comfortable for breathing
- P308+P313 - If exposed or concerned: Get medical advice/attention
- P403 - Store in a well-ventilated place
- P405 - Store locked up
- P501 - Dispose of contents/container in accordance with local/regional/national/international regulations
Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen

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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-PG20 - Use only with equipment of compatible materials of construction
CGA-PG21 - Open valve slowly
CGA-PG22 - Use only with equipment cleaned for oxygen service

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>Nitrous oxide</td>
<td>(CAS No) 10024-97-2</td>
<td>20 - 84.49</td>
<td>Ox. Gas 1, H270 Liquefied gas, H280 STOT SE 3, H336</td>
</tr>
<tr>
<td>Oxygen</td>
<td>(CAS No) 7782-44-7</td>
<td>19.5 - 76</td>
<td>Ox. Gas 1, H270 Compressed gas, H280</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>(CAS No) 124-38-9</td>
<td>3 - 59.5</td>
<td>Liquefied gas, H280</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. May cause drowsiness or dizziness. May cause respiratory irritation. May increase respiration and heart rate.

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: May damage fertility. May damage the unborn child.

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.

### 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.

**Emergency procedures**: Escape the danger area by the closest safe route. Close doors and windows of adjacent premises. Keep containers closed. Mark the danger area. Seal off low-lying areas. Keep upwind.

**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.

**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. Store locked up.

**Incompatible products**: None known.


#### 7.3. Specific end use(s)

See Section 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen

Safety Data Sheet

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.


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: Slightly sweet Mildly pungent ethereal odor
Odor threshold: No data available
pH: No data available
Melting point: No data available
Boiling point: None
Flash point: None
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: Not combustible but enhances combustion of other substances. May cause or intensify fire; oxidizer.
Vapor pressure: No data available
Relative density: No data available
Relative vapor density at 20 °C: No data available
**Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen**  
Safety Data Sheet  
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular mass</td>
<td>Not applicable for gas-mixtures.</td>
</tr>
<tr>
<td>Relative gas density</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 9.2. Other information

**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

May react violently with reducing agents. 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


#### 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>Substance</th>
<th>Classification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Carbon dioxide (124-38-9)</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td></td>
<td>820000 ppm/4h</td>
</tr>
<tr>
<td><strong>Nitrous oxide (10024-97-2)</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td></td>
<td>250000 ppm/4h</td>
</tr>
<tr>
<td><strong>Oxygen (7782-44-7)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td></td>
<td>800000 ppm/4h</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td>May damage fertility or the unborn child (Inhalation).</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity (single exposure)</strong></td>
<td>May cause respiratory irritation. May cause drowsiness or dizziness.</td>
<td></td>
</tr>
<tr>
<td><strong>Specific target organ toxicity (repeated exposure)</strong></td>
<td>Not classified</td>
<td></td>
</tr>
</tbody>
</table>
Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen

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Aspiration hazard : Not classified
Symptoms/injuries after inhalation : May displace oxygen and cause rapid suffocation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause increased respiration and heart rate.
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 upon intravenous administration : Ingestion is not considered a potential route of exposure.
Chronic symptoms : May damage fertility. May damage the unborn child.

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>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>No ecological damage caused by this product.</td>
<td></td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td>Not applicable for inorganic gases.</td>
<td></td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>No ecological damage caused by this product.</td>
<td></td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Bioaccumulative potential</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>(no bioaccumulation)</td>
<td></td>
</tr>
<tr>
<td>Log Pow</td>
<td>0.83</td>
<td></td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not applicable for inorganic gases.</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not applicable for inorganic gases.</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Ecology - soil</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td>Because of its high volatility, the product is unlikely to cause ground or water pollution.</td>
<td></td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

| Effect on ozone layer       | No known effects from this product. |                                            |
| 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: UN3156 Compressed gas, oxidizing, n.o.s. (Nitrous Oxide, Oxygen)

UN-No.(DOT): UN3156
Proper Shipping Name (DOT): Compressed gas, oxidizing, n.o.s.
Hazard labels (DOT): 2.2 - Non-flammable gas
5.1 - Oxidizer

DOT Packaging Non Bulk (49 CFR 173.xxx): 302
DOT Packaging Bulk (49 CFR 173.xxx): 314;315
DOT Symbols: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102): A14 - This material is not authorized to be transported as a limited quantity or consumer commodity in accordance with 173.306 of this subchapter when transported aboard an aircraft.

DOT Packaging Exceptions (49 CFR 173.xxx): 306
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: D - The material must be stowed “on deck only” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.

Additional information
Other information: No supplementary information available.

ADR
Transport document description: UN 3156, 2.2 (5.1), (E)
Class (ADR): 2 - Gases
Hazard identification number (Kemler No.): 25
Classification code (ADR): 1O
Hazard labels (ADR): 2.2 - Non-flammable compressed gas
5.1 - Oxidizer

Orange plates: 25
3156

Tunnel restriction code (ADR): E
Limited quantities (ADR): 0
Excepted quantities (ADR): E0

Transport by sea
UN-No. (IMDG): 3156
### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

<table>
<thead>
<tr>
<th>Compound</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

**CANADA**

No additional information available

<table>
<thead>
<tr>
<th>Compound</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A - Compressed Gas</td>
</tr>
<tr>
<td>Class A - Compressed Gas</td>
</tr>
<tr>
<td>Class A - Compressed Gas</td>
</tr>
<tr>
<td>Class A - Compressed Gas</td>
</tr>
<tr>
<td>Class C - Oxidizing Material</td>
</tr>
<tr>
<td>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

**EU-Regulations**

No additional information available

<table>
<thead>
<tr>
<th>Compound</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon dioxide (124-38-9)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>Nitrous oxide (10024-97-2)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
<tr>
<td>Oxygen (7782-44-7)</td>
<td>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</td>
</tr>
</tbody>
</table>

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
Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen

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Carbon dioxide (124-38-9)
- 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 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)
- Listed on the Canadian IDL (Ingredient Disclosure List)

Nitrous oxide (10024-97-2)
- 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)
- 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)

15.3. US State regulations

Nitrous oxide (10024-97-2)
- U.S. - California - Proposition 65 - Carcinogens List
- U.S. - California - Proposition 65 - Developmental Toxicity
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male
- No significance risk level (NSRL)

No Yes Yes No

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

Nitrous oxide (10024-97-2)
- 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

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.
Desflurane (1.00% - 9.99%), Carbon Dioxide (3.00% - 59.50%), Nitrous Oxide (20.00% - 84.49%) in Oxygen

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>H-phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

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