Safety Data Sheet
Calibration Gas Mixture: NO2

Section 1. Identification
Product identifier used on the label: Calibration Gas Mixture, NO2
Other means of identification: Part # RBxxL-NO2/xxxx
Product use: Calibration Standard
Supplier's details: Calibration Technologies, Inc. 920 N Trade Winds Parkway Columbia, MO 65240 1-866-394-5861
Emergency telephone: 1-800-535-5053

Section 2. Hazards Identification
Classification: Compressed Gas

GHS label Elements
Signal word: Warning
Hazard statements: Compressed gas under pressure. May explode if heated
Hazard pictograms:

Storage: Protect from sunlight. Store in a well ventilated place
Precautionary statement: Use valve rated for cylinder pressure.

Section 3. Composition/Information on ingredients
Substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>76.25-80.5</td>
<td>7727-37-9</td>
</tr>
<tr>
<td>Oxygen</td>
<td>19.5-23.5</td>
<td>7782-44-7</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>.005-.002</td>
<td>10102-44-0</td>
</tr>
</tbody>
</table>

Section 4. First-aid measures
Description of necessary measures subdivided below:
Inhalation: Immediately remove victim to fresh air.
Eye Contact: Immediately flush with copious amounts of water for 15 minutes.
Skin Contact: N/Ap
Ingestion: N/Ap
Most important symptoms/effects: N/Ap
Immediate attention/special treatment needed: N/Ap

Section 5. Fire-fighting measures
Suitable extinguishing media: All
Unsuitable extinguishing media: None
Specific hazards arising from the chemical: N/Ap
Special protective equipment/precautions for fire-fighters: Contains gas under pressure. If heated, pressure will increase and cylinder may burst.

Section 6. Accidental release measures
Personal precautions, protective equipment, emergency procedures: Ventilate area, shut off valve, and remove from heat.
Methods and materials for containment/cleaning up: N/Ap

Section 7. Handling and storage
Precautions for safe handling: Use valve rated for cylinder pressure. Avoid breathing gas. Avoid contact with eyes
Conditions for safe storage, including any incompatibilities: Store in well ventilated area. Protect from elevated temperatures.

Section 8. Exposure controls/Personal protection
Control parameters/Occupation exposure limits:

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| Nitrogen Dioxide        | ACGIH TLV
                          | STEL: 5ppm 15 minutes               |
                          | OSHA PEL                            |
                          | N/Ap                                |

Eye/Face protection: Safety glasses
Skin protection: N/Ap
Respiratory Protection: Avoid breathing gas
Other protective equipment: N/Ap

Section 9. Physical and chemical properties
Appearance (physical state, color, etc): Colorless
Odor: Slightly pungent
Odor threshold: N/Ap
pH: N/Ap
Melting point/freezing point: N/Ap
Initial boiling point and boiling range: N/Ap
Flash Point: N/Ap
Evaporation rate: N/Ap
Flammability (solid, gas): Not Flammable
Upper/lower flammability or explosive limits: N/Ap
### Section 10. Stability and reactivity

- **Reactivity:** N/A
- **Chemical stability:** Stable
- **Possibility of hazardous reactions:** N/A
- **Conditions to avoid:** N/A
- **Incompatible materials:** N/A
- **Hazardous decomposition products:** N/A

### Section 11. Toxicological information

- **Lethal concentration (LC50):** 88ppm (NH3 ingredient), Rat 4hrs
- **Lethal dose 50 (LD50):** N/A
- **Teratogenicity:** N/A
- **Reproductive effects:** N/A
- **Mutagenicity:** N/A

### Section 12. Ecological information

- No adverse ecological effects are expected.

### Section 13. Disposal considerations

- **Waste disposal method:** Non-refillable cylinder. Allow gas to vent slowly to atmosphere in an unconfined area until completely empty. Dispose of empty cylinder normally.

### Section 14. Transport information

- **UN Number:** 1956
- **UN proper shipping name:** Compressed gases, n.o.s
- **Transport hazard class:** 2.2 (nonflammable)
- **Identification number:** UN1956
- **Packing group:** II
- **Environmental hazards:** N/A
- **Transport in bulk:** N/A
- **Special precautions:** Must be shipped as Hazardous Materials.

### Section 15. Regulatory information

- Safety, health and environmental regulations specific for the product in question: N/A

### Section 16. Other information

- Date of preparation/last revision: 9/23/2015