

**Safety Data Sheet  
Calibration Gas Mixture: O2**
**Section 1. Identification**

Product identifier used on the label: Calibration Gas Mixture, O2  
 Other means of identification: Part # RBxxL-O2/100%  
 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  
 Danger  
 Hazard statements: Compressed gas under pressure. May explode if heated  
 May caouse or intensify fire:oxidizer.

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

Ingredient name	%	CAS number
Oxygen	100	7782-44-7

**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: Oxidizing material. This material increases the risk of fire and may aid combustion.  
 Contact with combustible material may cause fire.

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:

Ingredient name	Exposure limits
Oxygen	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  
 Vapor pressure: N/Ap

Vapor density:	1
Relative density:	N/Ap
Solubility (ies):	N/Ap
Partition coefficient: n-octanol/water:	N/Ap
Auto-ignition temperature:	N/Ap
Decomposition temperature:	N/Ap
Viscosity:	N/Ap

**Section 10. Stability and reactivity**

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

**Section 11. Toxicological information**

Lethal concentration (LC50):	N/Ap
Lethal dose 50 (LD50):	N/Ap
Teratogenicity:	N/Ap
Reproductive effects:	N/Ap
Mutagenicity:	N/Ap

**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:	1072
UN proper shipping name:	Oxygen Compressed
Transport hazard class:	2.2 (nonflammable) 5.1
Identification number:	UN1072
Packing group:	II
Environmental hazards:	N/Ap
Transport in bulk:	N/Ap
Special precautions:	Must be shipped as Hazardous Materials.

**Section 15. Regulatory information**

Safety, health and environmental regulations specific for the product in question:

N/Ap

**Section 16. Other information**

Date of preparation/last revision: 6/4/2015