CALIBRATION TECHNOLOGIES INC.
GAS DETECTION SPECIALISTS

Safety Data Sheet
Calibration Gas Mixture, CO

Section 1. Identification

Product identifier used on the label: Calibration Gas Mixture, CO
Other means of identification: Part # RBxxL-CO/xxxx
Product use: Calibration Standard
Supplier's details: Calibration Technologies, Inc.
920 N Trade Winds Parkway Columbia, MO 65201 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

Ingredient name	%	CAS number
Nitrogen	76.25-80.5	7727-37-9
Oxygen	19.5-23.5	7782-44-7
Carbon Monoxide	.005-.02	630-08-0

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:

Ingredient name	Exposure limits
Carbon Monoxide	**ACGIH TLV** TWA: 25ppm 8 hours **NIOSH REL** TWA: 35ppm 10 hours **OSHA PEL** TWA: 50ppm 8 hours

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):	1807 ppm (CO ingredient) Rat 4hrs
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:	1956
UN proper shipping name:	Compressed gases, n.o.s
Transport hazard class:	2.2 (nonflammable)
Indentification number:	UN1956
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:	6/15/2020