MATERIAL SAFETY

DATA SHEET

CMA, ANSI and Canadian WHMIS Standards Prepared to **1. PRODUCT IDENTIFICATION**

CHEMICAL NAME; CLASS: NON-FLAMMABLE GAS MIXTURE

Containing One or More of the Following Components in a Nitrogen or Helium Balance Gas:

Oxygen, 0-23.5%; Carbon Dioxide, 0.005-50.0%; Methane; 0-2.5%

SYNONYMS: Not Applicable

CHEMICAL FAMILY NAME: Not Applicable FORMULA: Not Applicable Document Number: 50015

Note: The Material Safety Data Sheet is for this gas mixture supplied in cylinders with 33 cubic feet (935 liters) or less gas capacity (DOT - 39 cylinders). This MSDS has been developed for various gas mixtures with the composition of components within the ranges listed in Section 2 (Composition and Information on Ingredients). Refer to the product label for information on the actual composition of the product.

PRODUCT USE: SUPPLIER/MANUFACTURER'S NAME:

ADDRESS:

Calibration of Monitoring and Research Equipment CALGAZ, LLC 821 Chesapeake Drive Cambridge, MD 21613 CHEMTREC: 1-800-424-9300 1-410-228-6400

EMERGENCY PHONE: BUSINESS PHONE:

General MSDS Information 1-713/868-0440 1-800/231-1366

Fax on Demand:

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	mole %	EXPOSURE LIMITS IN AIR					
			ACGIH-TLV		OSHA-PEL		NIOSH	OTHER
			TWA	STEL	TWA	STEL	IDLH	
			ppm	ppm	ppm	ppm	ppm	ppm
Carbon Dioxide	124-38-9	0.005 - 50.0%	5000	30,000	5000 10,000 (Vacated 1989 PEL)	30,000 (Vacated 1989 PEL)	40,000	NIOSH RELs: TWA = 5000 STEL = 30,000 DFG MAKs: TWA = 5000 PEAK = 2•MAK, 60 min.,
Oxygon	7792 44 7	0	Thora	aro no coocifi		vite for Oxygon		momentary value
Oxygen	1102-44-1	23.5%	above 19.5%.					
Methane	74-82-8	0 - 2.5%	There are no specific exposure limits for Methane. Methane is a simple asphyxiant (SA). Oxygen levels should be maintained above 19.5%.					
Nitrogen/ Helium	7727-37-9/ 7440-59-7	Balance	There are no specific exposure limits for Nitrogen or Helium. These gases are simple asphyxiants (SA). Oxygen levels should be maintained above 19.5%.					

NE = Not Established.

See Section 16 for Definitions of Terms Used. NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This gas mixture has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This gas mixture is a colorless, odorless gas. A significant hazard associated with releases of this gas mixture is the potential for overexposure to Carbon Dioxide, a component of this gas mixture. Inhalation of Carbon Dioxide can increase respiration and heart rate, possibly resulting in circulatory insufficiency (which may lead to coma and death). At concentrations between 2-10%, Carbon Dioxide can cause nausea, dizziness, headache, mental confusion, increased blood pressure and respiratory rate. If the concentration of Carbon Dioxide reaches 10% or more, suffocation can occur within minutes. Additionally, releases of this gas mixture may produce oxygen-deficient atmospheres (especially in confined spaces or other poorly-ventilated environments); individuals in such atmospheres may be asphyxiated.

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE: The most significant route of over-exposure for this gas mixture is by inhalation. INHALATION: Due to the small size of an individual cylinder of this gas mixture, no unusual health effects from over-exposure to the product are anticipated under routine circumstances of use. A significant hazard associated with releases of this gas mixture is the potential for over-exposure to Carbon Dioxide, a component of this gas mixture. If this gas mixture is released in a small, poorly ventilated area (i.e. an enclosed or confined space), and if the concentration of Carbon Dioxide reaches 10% or more, suffocation can occur within minutes. At concentrations between 2-10%, Carbon Dioxide can cause nausea, dizziness, headache, mental confusion, increased blood pressure and respiratory rate.

3. HAZARD IDENTIFICATION

Carbon Dioxide initially stimulates respiration and then causes respiratory depression. High HAZARDOUS MATERIAL IDENTIFICATION SYSTEM concentrations result in narcosis. Symptoms in humans are as follows: CONCENTRATION OF CARBON DIOXIDE **OBSERVED EFFECT** HEALTH HAZARD (BLUE) 1 Slight increase in breathing rate. 1% Breathing rate increases to 50% above normal level. Prolonged exposure 2% can cause headache, tiredness. FLAMMABILITY HAZARD (RED) 0 3% Breathing increases to twice normal rate and becomes labored. Weak narcotic effect. Impaired hearing, headache, increase in blood pressure and pulse rate. Breathing increases to approximately four times normal rate, symptoms of 4-5% PHYSICAL HAZARD (YELLOW) 0 intoxication become evident and slight choking may be felt. Characteristic sharp odor noticeable. Very labored breathing, headache, visual impairment and ringing in the ears. Judgment may be impaired, 5-10% PROTECTIVE EQUIPMENT followed within minutes by loss of consciousness Unconsciousness occurs more rapidly above 10% level. Prolonged exposure 50-100% to high concentrations may eventually result in death from asphyxiation. See Section 8 Additionally, if mixtures of this gas mixture contain less than 19.5% Oxygen and are released in a small, poorly-ventilated area (i.e. an enclosed or confined space), an oxygen-deficient environment For Routine Industrial Use and Handling Applications may occur. Individuals breathing such an atmosphere may experience symptoms which include

headaches, ringing in ears, dizziness, drowsiness, unconsciousness, nausea, vomiting, and depression of all the senses. Under some circumstances of over-exposure, death may occur. The effects associated with various levels of oxygen are as follows:

3. HAZARD IDENTIFICATION (continued)

CONCENTRATION OF OXYGEN 12-16% Oxygen: 10-14% Oxygen: 6-10% Oxygen: Below 6%

OBSERVED EFFECT

Breathing and pulse rate increased, muscular coordination slightly disturbed. Emotional upset, abnormal fatigue, disturbed respiration. Nausea, vomiting, collapse, or loss of consciousness.

Convulsive movements, possible respiratory collapse, and death.

CONTACT WITH SKIN or EYES: Exposure to high concentrations of the Carbon Dioxide component of this gas mixture may cause eye irritation with symptoms such as pain, redness, and tearing. Prolonged contact of high concentrations of Carbon Dioxide with the eyes can cause damage to the retinal ganglion cells.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms. Over-exposure to this gas mixture may cause the following health effects:

ACUTE: Due to the small size of the individual cylinder of this gas mixture, no unusual health effects from exposure to the product are anticipated under routine circumstances of use. Inhalation of high concentrations of Carbon Dioxide (a component of this gas mixture) can cause nausea, dizziness, headache, mental confusion, increased blood pressure and respiratory rate. High concentrations of Carbon Dioxide may cause eye irritation, and potential eye damage. Another significant hazard associated with this gas mixture when it contains less than 19.5% oxygen is the potential for exposure to oxygen-deficient atmospheres. Symptoms of oxygen deficiency include respiratory difficulty, ringing in ears, headaches, shortness of breath, wheezing, headache, dizziness, indigestion, nausea, unconsciousness, and death. The skin of a victim of over-exposure may have a blue color.

CHRONIC: Chronic exposure to oxygen-deficient atmospheres (below 18% oxygen in air) may affect the heart and nervous system. TARGET ORGANS: ACUTE: Respiratory system. CHRONIC: Heart, central nervous system.

4. FIRST-AID MEASURES

RESCUERS SHOULD NOT ATTEMPT TO RETRIEVE VICTIMS OF EXPOSURE TO THIS GAS MIXTURE WITHOUT ADEQUATE PERSONAL PROTECTIVE EQUIPMENT.

No unusual health effects are anticipated after exposure to this gas mixture, due to the small cylinder size. If any adverse symptom develops after over-exposure to this gas mixture, remove victim(s) to fresh air, as quickly as possible. Only trained personnel should administer supplemental oxygen and/or cardio-pulmonary resuscitation, if necessary. Victim(s) who experience any adverse effect after over-exposure to this gas mixture must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to physician or other health professional with victim(s)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Acute or chronic respiratory conditions may be aggravated by over-exposure to the components of this gas mixture. Additionally, over-exposure to Carbon Dioxide (a component of this gas mixture) may aggravate eye disorders and central nervous system conditions.

RECOMMENDATIONS TO PHYSICIANS: Administer oxygen, if necessary; treat symptoms and eliminate exposure.

5. FIRE-FIGHTING MEASURES FLASH POINT: Not applicable AUTOIGNITION TEMPERATURE: Not applicable. FLAMMABLE LIMITS (in air by volume, %): NFPA RATING Lower (LEL): Not applicable. Upper (UEL): Not applicable. ABILITY FIRE EXTINGUISHING MATERIALS: Non-flammable gas mixture. Use extinguishing 0 media appropriate for surrounding fire. UNUSUAL FIRE AND EXPLOSION HAZARDS: This gas mixture is not flammable; 0 1 HEALTH REACTIVITY however, containers, when involved in fire, may rupture or burst in the heat of the fire. Pressure in a container can build-up due to heat and it may rupture if pressure relief devices should fail to function. Explosion Sensitivity to Mechanical Impact: Not sensitive Explosion Sensitivity to Static Discharge: Not sensitive. SPECIAL FIRE-FIGHTING PROCEDURES: Structural firefighters must wear Self-OTHER Contained Breathing Apparatus and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES LEAK RESPONSE: Due to the small size and content of the cylinder, an accidental release of this gas mixture presents significantly less risk of an oxygen deficient environment and other safety hazards than a similar release from a larger cylinder. However, as with any chemical release, extreme caution must be used during emergency response procedures. In the event of a release in which the atmosphere is unknown, and in

which other chemicals are potentially involved, evacuate immediate area. Such releases should be responded to by trained personnel using preplanned procedures. Proper protective equipment should be used. In case of a leak, clear the affected area, protect people, and respond with trained personnel.

Allow the gas mixture to dissipate. If necessary, monitor the surrounding area (and the original area of the release) for Carbon Dioxide and oxygen. Carbon Dioxide should not be above background levels and Oxygen levels must be above 19.5% before non-emergency personnel are allowed to re-enter area

If leaking incidentally from the cylinder, contact your supplier.

7. HANDLING and USE

WORK PRACTICES AND HYGIENE PRACTICES: Be aware of any signs of dizziness or fatigue, especially if work is done in a poorly ventilated area; exposures to fatal concentrations of this gas mixture could occur without any significant warning symptoms, due to carbon dioxide over-exposure and oxygen deficiency. Do not attempt to repair, adjust, or in any other way modify the cylinders containing this gas mixture. If there is a malfunction or another type of operational problem, contact nearest distributor immediately.

STORAGE AND HANDLING PRACTICES: Cylinders should be firmly secured to prevent falling or being knocked-over. Cylinders must be protected from the environment, and preferably kept at room temperature (approximately 21°C, 70°F). Cylinders should be stored in dry, well-ventilated areas, away from sources of heat, ignition, and direct sunlight. Protect cylinders against physical damage. Full and empty cylinders should be segregated. Use a first-in, first-out inventory system to prevent full containers from being stored for long periods of time. These cylinders are not refillable. **WARNING! Do not refill DOT 39 cylinders. To do so may cause personal injury or property**

damage

SPECIAL PRECAUTIONS FOR HANDLING GAS CYLINDERS: WARNING! Compressed gases can present significant safety hazards. During cylinder use, use equipment designed for these specific cylinders. Ensure all lines and equipment are rated for proper service pressure. PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely. Always use product in areas where adequate ventilation is provided.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: No special ventilation systems or engineering controls are needed under normal circumstances of use. As with all chemicals, use this gas mixture in well-ventilated areas. If this gas mixture is used in a poorly-ventilated area, install automatic monitoring equipment to detect the levels of Carbon Dioxide and Oxygen.

RESPIRATORY PROTECTION: No special respiratory protection is required under normal circumstances of use. Use supplied air respiratory protection if the level of Carbon Dioxide exceeds exposure limits presented in Section 2 (Composition and Information of Ingredients) and oxygen levels are below 19.5% or unknown during emergency response to a release of this gas mixture. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.16.33% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

8. EXPOSURE CONTROLS - PERSONAL	PROTECTION (continued)					
CARBON DIOXIDE <u>CONCENTRATION</u> Up to 40,000 ppm: Hereigency or Planned Entry into Unknown Concentrations or IDLH Conditions: Any SCBA that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode, or any SAR that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary SCBA operated in pressure-demand or other positive-pressure mode in combination with an auxiliary SCBA operated in pressure-demand or other positive-pressure mode						
Escape: Any appropriate escape-type, SCBA. EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards. HAND PROTECTION: No special protection is needed under normal circumstances of use. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.						
BODY PROTECTION: No special protection is needed under normal circumstance objects, rolling objects, where objects may pierce the soles of the feet or where exprotection, as described in U.S. OSHA 29 CFR 1910.136.	es of use. If a hazard of injury to the feet exists due to falling mployee's feet may be exposed to electrical hazards, use foot					
9. PHYSICAL and CHEMICAL	PROPERTIES					
The following information is for Nitrogen, the main component of this gas mixt GAS DENSITY @ 32°F (0°C) and 1 atm: 0.072 lbs/ ft ³ (1.153 kg/m ³)	ure.					
FREEZING/MELTING POINT @ 10 psig: -210°C (-345.8°F)	BOILING POINT: -195.8°C (-320.4°F)					
SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C): 0.906 SOLUBILITY IN WATER vol/vol @ 32°F (0°C) and 1 atm: 0.023	PH: Not applicable. MOLECULAR WEIGHT: 28.01					
EVAPORATION RATE (nBuAc = 1): Not applicable.	EXPANSION RATIO: Not applicable.					
ODOR THRESHOLD: Not applicable. VAPOR PRESSURE @ 70°F (21.1°C) psig: Not applicable.	SPECIFIC VOLUME (ft 7/b): 13.8					
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.						
The following information is for Helium, a main component of this gas mixture. GAS DENSITY @ 32°F (0°C) and 1 atm: 0.0103 lbs/cu ft (1.165 kg/m ³)						
FREEZING/MELTING POINT (@ 10 psig): Not Applicable.	BOILING POINT: -268.9°C (-452.1°F)					
SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C): 0.1381 SOLUBILITY IN WATER, vol/vol at 32°F (0°C)and 1 atm: 0.0094	pH: Not applicable.					
EVAPORATION RATE (nBuAc = 1): Not applicable.	EXPANSION RATIO: Not applicable.					
ODOR THRESHOLD: Not applicable. Odorless.	SPECIFIC VOLUME (ft³/lb): 96.7					
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.						
COEFFICIENT WATER/OIL DISTRIBUTION: Not applicable.						
APPEARANCE AND COLOR: This gas mixture is a colorless, odorless gas. HOW TO DETECT THIS SUBSTANCE (warning properties): There are no un mixture.	usual warning properties associated with a release of this gas					
10. STABILITY and REA	CTIVITY					
STABILITY: Normally stable in gaseous state. Moisture in the air could lead to the f	ormation of carbonic acid from Carbon Dioxide.					
DECOMPOSITION PRODUCTS: Methane, a component of this gas mixture, will carbon dioxide. The other components of this gas mixture do not decompose, per se	thermally decompose in air to generate carbon monoxide and but may react with other compounds in the heat of a fire.					
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Titanium will burn	in the Nitrogen component of this gas mixture. Lithium reacts					
slowly with Nitrogen at ambient temperatures. The Methane component of this gas	mixture is also incompatible with strong oxidizers (i.e. chlorine, ide component of this gas mixture, will ignite and explode when					
heated with powdered aluminum, beryllium, cerium alloys, chromium, magnesium-a	aluminum alloys, manganese, thorium, titanium, and zirconium.					
In the presence of moisture, Carbon Dioxide will ignite with cesium oxide. Metal - Dioxide	acetylides will also ignite and explode on contact with Carbon					
HAZARDOUS POLYMERIZATION: Will not occur.	to high tomporatures or direct flame can rupture or hurst					
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14. TRANSPORTATION INFORMATION (Continued)

HAZARD CLASS NUMBER and DESCRIPTION: UN IDENTIFICATION NUMBER:

PACKING GROUP: DOT LABEL(S) REQUIRED:

Class 2.2 (Non-Flammable Gas) NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2000): 126

MARINE POLLUTANT: The components of this gas mixture are not classified by the DOT as Marine Pollutants (as defined by 49 CFR 172.101,

Not applicable.

UN 1956

2.2 (Non-Flammable Gas)

Appendix B)

SPECIAL SHIPPING INFORMATION: Cylinders should be transported in a secure position, in a well-ventilated vehicle. The transportation of compressed gas cylinders in automobiles or in closed-body vehicles can present serious safety hazards. If transporting these cylinders in vehicles, ensure these cylinders are not exposed to extremely high temperatures (as may occur in an enclosed vehicle on a hot day). Additionally, the vehicle should be well-ventilated during transportation.

Note: DOT 39 Cylinders ship in a strong outer carton (overpack). Pertinent shipping information goes on the outside of the overpack. DOT 39 Cylinders do not have transportation information on the cylinder itself.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This gas is considered as Dangerous Goods, per regulations of Transport Canada. PROPER SHIPPING NAME: Compressed gases, n.o.s. (*Oxygen, Nitrogen)*or the gas component with the

	next highest concentration next to Nitrogen.
HAZARD CLASS NUMBER and DESCRIPTION:	2.2 (Non-Flammable Gas)
UN IDENTIFICATION NUMBER:	UN 1956
PACKING GROUP:	Not Applicable
HAZARD LABEL:	Class 2.2 (Non-Flammable Gas)
SPECIAL PROVISIONS:	None
EXPLOSIVE LIMIT AND LIMITED QUANTITY INDEX:	0.12
ERAP INDEX:	None
PASSENGER CARRYING SHIP INDEX:	None
PASSENGER CARRYING ROAD VEHICLE OR PASSEN	IGER CARRYING RAILWAY VEHICLE INDEX: 75
NORTH AMERICAN EMERGENCY RESPONSE GUIDEE	300K NUMBER (2000): 121

NOTE: Shipment of compressed gas cylinders via Public Passenger Road Vehicle is a violation of Canadian law (Transport Canada Transportation of Dangerous Goods Act, 1992).

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this gas. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. TSCA INVENTORY STATUS: The components of this gas mixture are listed on the TSCA Inventory

OTHER U.S. FEDERAL REGULATIONS:

- Methane is subject to the reporting requirements of Section 112(r) of the Clean Air Act. The Threshold Quantity for this gas is 10,000 pounds. This gas mixture does not contain any Class I or Class II ozone depleting chemicals (40 CFR part 82).
- Nitrogen, Helium, Carbon Dioxide and Oxygen are not listed as Regulated Substances, per 40 CFR, Part 68, of the Risk Management for Chemical Releases. Methane is listed under this regulation in Table 3 as a Regulated Substance (Flammable Substance), in quantities of 10,000 lbs (4,553) kg) or greater.
 U.S. STATE REGULATORY INFORMATION: The components of this gas mixture are covered under the following specific State regulations:
 Alaska - Designated Toxic and Hazardous
 Michigan - Critical Materials Register: No.
 Pennsylvania - Hazardous Substance List:
 Minnesota - List of Hazardous Substances:
 Oxygen, Nitrogen, Methane, Carbon Dioxide,

California - Permissible Exposure Limits for Chemical Contaminants: Nitrogen, Methane,

Florida - Substance List: Oxygen, Carbon Dioxide,

Illinois - Toxic Substance List: Carbon Dioxide,

Carbon Dioxide. Helium

Kansas - Section 302/313 List: No

Massachusetts - Substance List: Methane, Carbon Dioxide, Helium.

Helium

Helium.

Methane, Carbon Dioxide, Helium. Missouri

Employer Information/Ioxic st: Methane, Carbon Dioxide, Rhode Island - Hazardous Substance List: Oxygen, Nitrogen, Methane, Carbon Dioxide, Helium. Substance List: Right to Know Hazardous st: Oxygen, Nitrogen, Methane,

Helium

Texas - Hazardous Substance List: Carbon Dioxide

West Virginia - Hazardous Substance List: Carbon Dioxide.

Wisconsin - Toxic and Hazardous Substances: Carbon Dioxide

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): The components of this gas mixture are not on the California Proposition 65 lists.

North Dakota - List of Hazardous Chemicals,

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this gas mixture are on the Canadian DSL Inventory.

Substance List:

Carbon Dioxide, Helium

Reportable Quantities: No.

Helium.

Oxvaen.

New Jersev

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: The components of this gas mixture are not on the CEPA Priorities Substances List

CANADIAN WHMIS CLASSIFICATION: This gas mixture is categorized as a Controlled Product, Hazard Class A, as per the Controlled Product Regulations.

16. OTHER INFORMATION

INFORMATION ABOUT DOT-39 NRC (Non-Refillable Cylinder) PRODUCTS

DOT 39 cylinders ship as hazardous materials when full. Once the cylinders are relieved of pressure (empty) they are not considered hazardous material or waste. Residual gas in this type of cylinder is not an issue because toxic gas mixtures are prohibited. Calibration gas mixtures typically packaged in these cylinders are Nonflammable n.o.s., UN 1956. A small percentage of calibration gases packaged in DOT 39 cylinders are flammable or oxidizing gas mixtures

For disposal of used DOT-39 cylinders, it is acceptable to place them in a landfill if local laws permit. Their disposal is no different than that employed with other DOT containers such as spray paint cans, household aerosols, or disposable cylinders of propane (for camping, torch etc.). When feasible, we recommended recycling for scrap metal content. CALGAZ, LLC will do this for any customer that wishes to return cylinders to us prepaid. All that is required is a phone call to make arrangements so we may anticipate arrival. Scrapping cylinders involves some preparation before the metal dealer may accept them. We perform this operation as a service to valued customers who want to participate.

MIXTURES: When two or more gases or liquefied gases are mixed, their hazardous properties may combine to create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an Industrial Hygienist or other trained person when you make your safety evaluation of the end product. Remember, gases and liquids have properties which can cause serious iniurv or death.

Further information about the handling of compressed gases can be found in the following pamphlets published by: Compressed Gas Association Inc. (CGA), 1725 Jefferson Davis Highway, Suite 1004, Arlington, VA 22202-4102. Telephone: (703) 412-0900.

P-1	"Safe Handling of Compressed Gases in Containers"

AV-1 "Safe Handling and Storage of Compressed Gases"

"Handbook of Compressed Gases PREPARED BY:

CHEMICAL SAFETY ASSOCIATES, Inc. PO Box 3519, La Mesa, CA 91944-3519 619/670-0609

1-800/231-1366 Fax on Demand:



This Material 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, LLC 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.