

INSTRUMENTATION LABORATORY INC,ANALYTICAL INST.DIV -- LABGAS CALIBRATION GASSES,  
(NITROGEN-CARBON -- 6830-00-145-0091

===== Product Identification =====

Product ID:LABGAS CALIBRATION GASSES, (NITROGEN-CARBON

MSDS Date:06/01/1990

FSC:6830

NIIN:00-145-0091

MSDS Number: BMZBB

=== Responsible Party ===

Company Name:INSTRUMENTATION LABORATORY INC,ANALYTICAL INST.DIV

Address:113 HARTWELL AVE

City:LEXINGTON

State:MA

ZIP:02173-3190

Country:US

Info Phone Num:617-861-07

10

Emergency Phone Num:617-861-0710

CAGE:60661

=== Contractor Identification ===

Company Name:INSTRUMENTATION LABORATORY INC,ANALYTICAL INST.DIV

Address:113 HARTWELL AVE

Box:City:LEXINGTON

State:MA

ZIP:02173-3190

Country:US

Phone:617-861-0710

CAGE:60661

===== Composition/Information on Ingredients =====

Ingred Name:CARBON DIOXIDE

CAS:124-38-9

RTECS #:FF6400000

Fraction by Wt: 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:5000 PPM

ACGIH TLV:5000PPM/30000STEL;93

Ingred Name:NIT

ROGEN  
CAS:7727-37-9  
RTECS #:QW9700000  
Fraction by Wt: 90%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:ASPHYXIAN; 9192

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT APPLICABLE.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NONE. HUMANS CAN NOT BREATH AIR  
CONTAINING MORE THAN 10% CARBON DIOXIDE WITHOUT LOSING  
CONSCIOUSNESS. CARBON D  
IOXIDE AND NITROGEN WILL ACT AS A SIMPLE  
ASPHYXIAN BY DISPLACING OXYGEN. NORMAL ACTIVITY REQUIRES A  
MINIMUM OF 18% OXYGEN.  
Effects of Overexposure:SINCE CALIBRATION GASES ARE ODORLESS,  
COLORLESS, AND TASTELESS, THERE MAY NOT BE ADEQUATE WARNING OF HIGH  
LEVELS OF THE NITROGEN-CARBON DIOXIDE GASES. SYMPTOMS OF LACK OF  
OXYGEN MAY INCLUDE RAPID RESPIRATION, DIZZINESS, FATIGUE, NAUSEA,  
DROWSINESS, BLUE DISCOLORATION OF SKIN AND LIPS, UNCONSCIOUSNESS,  
AND DEATH.  
Medical  
Cond Aggravated by Exposure:NONE

===== First Aid Measures =====

First Aid:MOVE PATIENT TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF  
BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE  
Extinguishing Media:NONFLAMMABLE GAS. USE SUITABLE MEDIA FOR  
SURROUNDING FIRE; WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:CONTENTS UNDER PRESSURE. CONTAINER MAY  
EXPLODE IN HEAT OF FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM RELEASE AREA. MOVE  
LEAKY CYLINDER TO OUTDOORS OR VENTILATED HOOD. ALLOW GAS TO  
DISCHARGE AT MODERATE RATE.  
Neutralizing Agent:NOT APPLICABLE.

===

===== Handling and Storage =====

Handling and Storage Precautions:PROTECT CYLINDERS FROM EXCESSIVE HEAT, PRESSURE AND PHYSICAL DAMAGE. KEEP CYLINDER VALVE CLOSED AND WITH PROTECTION CAP IN PLACE WHEN NOT IN USE.

Other Precautions:CYLINDERS SHALL BE LOCATED OR SECURED SO THAT THEY CAN NOT BE KNOCKED OVER. PROPER CYLINDER CARTS SHOULD BE USED DURING TRANSPORTATION. DO NOT DEFACE CYLINDERS OR LABELS. HANDLE CYLINDERS WITH PROPER CAUTION.

=====

===== Exposure Controls/Personal Protection =====

Ventilation:REGULAR ROOM VENTILATION.

Protective Gloves:WORK GLOVES FOR HANDLING CYLINDERS.

Eye Protection:APPROVED SAFETY GLASSES OR FACE SHIELD.

Other Protective Equipment:SAFETY SHOES WHEN HANDLING LARGE CYLINDERS.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. USE PROPER CARE WHEN HANDLING AND STORING CYLINDERS.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:G3

Vapor Pres:GAS @ 20C

Vapor Density:0.968-1.24

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS, ODORLESS GAS.

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID FLAMMABLE AND COMBUSTABLE MATERIALS, ESPECIALLY GREASES AND OILS.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.

Hazardous Decomposition Products:NONE

===== Disp

osal Considerations =====

Waste Disposal Methods:DISPOSE OF DEFECTIVE CYLINDERS IN ACCORDANCE  
WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing thi

s

document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.