

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:LEXING

TON

State:MA

ZIP:02173-3190

Country:US

Info Phone Num:617-861-0710

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

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SHA PEL:5000 PPM
ACGIH TLV:5000PPM/30000STEL;93

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

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===== 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 BREATHE AIR
CONTAINING MORE THAN
AN 10% CARBON DIOXIDE WITHOUT LOSING
CONSCIOUSNESS. CARBON DIOXIDE 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 DISCOLOR
ATION OF SKIN AND LIPS, UNCONSCIOUSNESS,
AND DEATH.
Medical Cond Aggravated by Exposure:NONE

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

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

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

Flash Point:NONE
Extinguishing Media:NONFLAMMABLE GAS. USE SUITABLE MEDIA FOR
SURROUNDING FIRE; WATER FOG, CARBON DIOXIDE, FOAM, O

R 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 DIS

CHARGE 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 CYLINDER

RS 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.

Su

pplemental 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.

H

azardous Decomposition Products:NONE

===== Disposal Considerations =====

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

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