

LIQUID AIR CORP,ALPHAGAZ DIV -- 0.1-17.9% OXYGEN IN NITROGEN

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MSDS Safety Information
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FSC: 6830
NIIN: 01-309-7635
MSDS Date: 01/01/1992
MSDS Num: BYFCJ
Product ID: 0.1-17.9% OXYGEN IN NITROGEN
MFN: 01
Responsible Party
Cage: 1JK08
Name: LIQUID AIR CORP,ALPHAGAZ DIV
Address: 2121 N CALIFORNIA BLVD
City:
WALNUT CREEK CA 94596
Info Phone Number: 510-977-6500 / FAX 510-977-6747
Emergency Phone Number: 510-977-6500
Preparer's Name: NONE
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 42568
Name: LIQUID AIR CORP ALPHAGAZ DIVISION
Address: 2121 N CALIFORNIA BLVD
City: WALNUT CREEK CA 94596
Phone: 510-977-6500
Cage: 1JK08
Name: LIQUID AIR CORP,CARDOX CORP DIV
Address: 150 S WARNER RD, S
UITE 268
City: KING OF PRUSSIA PA 19406
Phone: 215-975-0880
Cage: 24821
Name: ROSEMOUNT ANALYTICAL INC
Address: 1201 N MAIN ST
Box: 901
City: ORRVILLE OH 44667-1016
Phone: 216-684-4449
Cage: 0ABX5
Name: S A R C O
Address: 55 HARKER AVENUE
City: BERLIN NJ 08009
Phone: 609-795-0699

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Item Description Information
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Item Manager: S9G
Item Name: CALIBRATING GAS MIXTURE
Specification Number: NO

NE
Type/Grade/Class: NONE
Unit of Issue: EA
UI Container Qty: 1
Type of Container: CYLINDER

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Ingredients
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Cas: 7727-37-9
RTECS #: QW9700000
Name: NITROGEN
% Wt: 82-99.9
Other REC Limits: NONE RECOMMENDED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: ASPHYXIAN; 9394

Cas: 7782-44-7
RTECS #: RS2060000
Name: OXYGEN
% Wt: 0.1-18
Other REC Limits: NONE RECOMMENDED
OSHA
PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
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Health Hazards Data
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LD50 LC50 Mixture: UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: HIGH CONCENTRATIONS DISPLACE THE OXYGEN IN THE AIR
NECESSARY FOR LIFE.
Signs And Symptions Of Overexposure: HEADACHE, DIZZINESS, LABORED BREATHING AND
EVENTU
AL UNCONSCIOUSNESS.
Medical Cond Aggravated By Exposure: PERSONS IN ILL HEALTH.
First Aid: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN UNCONTAMINATED AREA AND
INHALE FRESH AIR. QUICK REMOVAL FROM THE CONTAMINATED AREA IS MOST IMPORTANT.
UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN UNCONTAMINATE D AREA, GIVEN
ASSISTED RESPIRATION AND SUPPLEMENTAL OXYGEN. FURTHER TREATMENT SHOULD BE
SYMPTOMATIC AND SUPPORTIVE.

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Handling and Disposal
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Spill Release Procedures: EVACUATE PERSONNEL FROM AFFECTED AREA. USE APPROPRIATE PROTECTIVE EQUIPMENT. REMOVE LEAKING CONTAINER TO OPEN AIR AWAY FROM PERSONNEL. (PER DSCR- SINCE NO INSTRUCTIONS RECEIVED FROM DISTRIBUTOR OF DISPOSABLE CYLINDERS OF CALIBRATING GAS MIXTURE.)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. (PER DSCR- VENT GAS TO ATMOSPHERE IN OPEN AREA AWAY FROM ALL PERSONNEL. DISPOSE OF EMPTY CYLINDERS IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.)

Handling And Storage Precautions: USE ONLY IN WELL-VENTILATED AREAS. USE A PRESSURE REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE PIPING OR SYSTEMS. DO NOT HEAT.

Other Precautions: NONE

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Fire and Explosion Hazard Information
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Flash Point Text: NOT FLAMMABLE

Extinguishing Media: NONFLAMMABLE GAS MIXTURES. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: IF CYLINDERS ARE INVOLVED IN A FIRE, SAFELY RELOCATE OR KEEP COOL WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: NONE

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Control Measures
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Respiratory Protection: POSITIVE PRESSURE AIR-LINE WITH MASK OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation: LOCAL EXHAUST.

Protective Gloves: ANY MATERIAL

Eye Protection: SAFETY GOGGLES OR GLASSES.

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NORMAL WORKPLACE HYGIENIC PRACTICES ARE ADEQUATE..

Supplemental Safety and Health: NONE

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Physical/Chemical Properties
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HCC: G3

B.P. Text: -320F,-196C

M.P/F.P Text: -346F,-210C

Decomp Text: UNKNOW

N
Vapor Pres: UNKNOWN
Vapor Density: UNKNOWN
Spec Gravity: 0.97-0.99
Solubility in Water: SLIGHT
Appearance and Odor: COLORLESS, ODORLESS GAS.
Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES
Materials To Avoid: NONE
Hazardous Decomposition Products: NONE
Hazardous Polymerization Indicator: NO

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Toxicological Inform
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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 1JK08
Trans ID NO: 124194
Product ID: 0.1-17.9% OXYGEN IN NITROGEN
MSDS Prepared Date: 01/01/1992
Review Date: 02/23/1996
MFN: 1
Tech Entry NOS Shipping Nm: NITROGEN, OXYGEN.
Net Unit Weight: UNKNOWN
Multiple KIT Number: 0
Review

IND: Y
Unit Of Issue: EA
Container QTY: 1
Type Of Container: CYLINDER

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Detail DOT Information
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DOT PSN Code: DQQ
Symbols: G
DOT Proper Shipping Name: COMPRESSED GASES, N.O.S.
Hazard Class: 2.2
UN ID Num: UN1956
Label: NONFLAMMABLE GAS
Special Provision: B13
Non Bulk Pack: 302,305
Bulk Pack: 314,315
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: EQH
IMO Proper Shipping Name: COMPRESSED GAS, N.O.S. o
IMDG Page Number: 2124
UN Number: 1956
UN Hazard Class: 2(2.2)
IMO Packaging Group: -
Subsidiary Risk Label: -
EMS Number: 2-04
MED First Aid Guide NUM: 620

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Detail IATA Information
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IATA PSN Code: HDO
IATA UN ID
Num: 1956
IATA Proper Shipping Name: COMPRESSED GAS, N.O.S. *
IATA UN Class: 2.2
IATA Label: NON-FLAMMABLE GAS
Packing Note Passenger: 200
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 200

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Detail AFI Information
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AFI PSN Code: HDO
AFI Symbols: *
AFI Proper Shipping Name: COMPRESSED GAS, N.O.S.
AFI Hazard Class: 2.2
AFI UN ID NUM: UN1956
Special Provisions: P5
Back

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HAZCOM Label

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Product ID: 0.1-17.9% OXYGEN IN NITROGEN

Cage: 1JK08

Company Name: LIQUID AIR CORP,CARDOX CORP DIV

Street: 150 S WARNER RD, SUITE 268

City: KING OF PRUSSIA PA

Zipcode: 19406

Health Emergency Phone: 510-977-6500

Label Required IND: Y

Date Of Label Review: 02/23/1996

Status Code: C

Label Date: 02/23/1996

Origination Code: F

Eye Protection IND

: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: HIGH CONCENTRATIONS DISPLACE THE OXYGEN IN THE AIR

NECESSARY FOR LIFE. USE ONLY IN WELL-VENTILATED AREAS. USE A PRESSURE

REDUCING REGULATOR WHEN CONNECTING CYLINDER TO LOWER PRESSURE PIPING OR

SYSTEMS . DO NOT HEAT. FIRST AID: CONSCIOUS PERSONS SHOULD BE ASSISTED TO AN

UNCONTAMINATED AREA AND INH

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AREA IS MOST IMPORTANT. UNCONSCIOUS PERSONS SHOULD BE MOVED TO AN

UNCONTAMINATED AREA, GIVEN ASSISTED RESPIRATION AND SUPPLEMENTAL OXYGEN.

FURTHER TREATMENT SHOULD BE SYMPTOMATIC AND SUPPORTIVE. TARGET ORGANS:

RESPIRATORY SYSTEM, SKIN, EYES.

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