

LIQUID AIR CORP,ALPHAGAZ DIVIS -- 10 PPM-1.1% PROPANE IN AIR

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MSDS Safety Information

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FSC: 6664

NIIN: 01-143-4582

MSDS Date: 01/01/1992

MSDS Num: BYXWT

Product ID: 10 PPM-1.1% PROPANE IN AIR

MFN: 01

Responsible Party

Cage: 1JK08

Name: LIQUID AIR CORP,ALPHAGAZ DIVISION

Address: 2121 N. CALIFORNIA BLVD.

City: WALNUT CREEK CA 94596

Info Phone Number: 800-231-1366

Emerge

ncy Phone Number: 800-231-1366 800-424-9300(CHEMTREC)

Preparer's Name: UNKNOWN

Review Ind: Y

Published: Y

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Contractor Summary

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Cage: 05083

Name: BACHARACH INC

Address: 625 ALPHA DRIVE

City: PITTSBURGH PA 15238

Phone: 412-963-2130

Cage: 1JK08

Name: LIQUID AIR CORP,CARDOX CORP DIV

Address: 150 S WARNER RD, SUITE 268

City: KING OF PRUSSIA PA 19406

Phone: 215-975-0880

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Item Description Information

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Item Manager: S9G

Item Name: GAS CYLINDER,CALIBRATOR,AUTOMATIC GAS

Specification Number: NONE

Type/Grade/Class: NONE

Unit of Issue: EA

UI Container Qty: UNKNOWN

Type of Container: UNKNOWN

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Ingredients

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Cas: 74-98-6

RTECS #: TX2275000

Name: PROPANE

% Wt: 1.1

Other REC L

imits: NONE RECOMMENDED
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIAN; 9495

Cas: 25635-88-5
Name: AIR, COMPRESSED
% Wt: BALANCE
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: LD50 FOR THIS PRODUCT IS NOT ESTABLISHED
Route Of Entry Inds - Inhalation: NO
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: THIS MIXTURE SHOULD BE CONSIDERED SIMILAR TO AIR AND WOULD THEREFORE POSE NO HEALTH HAZARDS.
Explanation Of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Signs And Symptions Of Overexposure: THIS MIXTURE SHOULD BE CONSIDERED SIMILAR TO AIR AND WOULD THEREFORE HAVE NO SYMPTOMS OF EXPOSURE.
Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid: NO FIRST AID IS EXPECTED TO BE REQUIRED.

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Handling and Disposal

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Spill Release Procedures: NO SPECIAL REQUIREMENTS.
Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.
Handling And Storage Precautions: STORE BELOW 125F IN A DRY,WELL-VENTILATED PLACE,AWAY FROM TRAFFIC.KEEP AWAY FROM HEAT,SPARKS,FLAMES.
Other Precautions: USE A PRESSURE REDUCING VALVE WHEN CONNECTING TO SYSTEM WITH <500 PSIG.SEGREGATE USED CYLINDERS AND USE ON A FIRST IN-FIRST OUT SYSTEM.DO NOT REFILL DOT 39 CYLINDERS.

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Fire and Explosion Hazard Information

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Flash Point Text: NONE
Extinguishing Media: USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE

E EXPOSED CONTAINERS WITH WATER FOG.
Unusual Fire/Explosion Hazard: CONTAINERS MAY BURST AT ELEVATED
TEMPERATURES.THESE MIXTURES AT HIGH PRESSURE WILL ACCELERATE BURNING.

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Control Measures

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Respiratory Protection: NOT NEEDED IN NORMAL SERVICE.
Ventilation: NOT NEEDED IN NORMAL SERVICE.
Protective Gloves: ANY MATERIAL.
Eye Protection: SAFETY GLASSES OR GOGGLES.
Other Protective Equipme
nt: SAFETY SHOES.
Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT.WASH
HANDS AFTER USE AND BEFORE EATING.
Supplemental Safety and Health: NONE

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Physical/Chemical Properties

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HCC: G3
B.P. Text: -317F,-194C
Decomp Text: UNKNOWN
Vapor Pres: 127 PSIA
Spec Gravity: 1-1.01
Solubility in Water: VERY SLIGHTLY SOLUBL
Appearance and Odor: GAS;COLORLESS;ODORLESS.
Corrosion
Rate: UNKNOWN

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Reactivity Data

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Stability Indicator: YES
Stability Condition To Avoid: MOISTURE(CAUSES RUSTING).
Materials To Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.
Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Inform

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Transportation Information
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Responsible Party Cage: 1JK08
Trans ID NO: 110592
Product ID: 10 PPM-1.1% PROPANE IN AIR
MSDS Prepared Date: 01/01/1992
Review Date: 09/16/1996
MFN: 1
Tech Entry NOS Shipping Nm: PROPANE(1.1%) IN AIR.
Net Unit Weight: UNKNOWN
AF MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: EA

Container QTY: UNKNOWN
Type Of Container: UNKNOWN
Additional Data: TRANSPORT ONLY CONTAINED IN OPEN FLATBED OR OPEN PICKUP TYPE VEHICLES.

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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 K
G
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.
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FI Hazard Class: 2.2
AFI UN ID NUM: UN1956
Special Provisions: P5
Back Pack Reference: A6.3, A6.5,A6.6

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HAZCOM Label

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Product ID: 10 PPM-1.1% PROPANE IN AIR
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: 800-231-1366 800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label Rev
iew: 09/16/1996
Status Code: C
MFG Label NO: UNKNOWN
Label Date: 09/16/1996
Origination Code: F
Eye Protection IND: YES
Signal Word: NONE
Health Hazard: None
Contact Hazard: None
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: THIS MIXTURE SHOULD BE CONSIDERED SIMILAR TO AIR AND
WOULD THEREFORE POSE NO HEALTH HAZARDS. STORE BELOW 125F IN A
DRY,WELL-VENTILATED PLACE,AWAY FROM TRAFFIC.KEEP AWAY FROM
HEAT,SPARKS,FLAMES. FIRST AID: NO FIRST AID IS EXPECTED TO BE REQUIRED.

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