

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.
Ci
ty: WALNUT CREEK CA 94596
Info Phone Number: 800-231-1366
Emergency 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: KIN
G 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 Limits: 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

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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 Symptoms Of Overexposure: THIS MIXTURE SHOULD BE CONSIDERED SIMILAR TO AIR AND WOULD THEREFORE HAVE NO SYMPTOMS OF EXPOSURE.

Medical Con

d 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 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 Equipment: 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

SOLUBLE

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

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

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.

Detail DOT Information

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
A
FI Symbols: *
AFI Proper Shipping Name: COMPRESSED GAS, N.O.S.
AFI 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: 800-231-136

6 800-424-9300(CHEMTREC)
Label Required IND: Y
Date Of Label Review: 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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