

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.  
C  
ity: 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: KI  
NG 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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Ca

s: 74-98-6  
RTECS #: TX2275000  
Name: PROPANE  
% Wt: 1.1  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 1000 PPM  
ACGIH TLV: ASPHYXIAN; 9495

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

LY 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

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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: 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 MMA

C 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 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 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: 800-231-13

66 800-424-9300(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,SPARK

S,FLAMES. FIRST AID: NO FIRST AID IS EXPECTED TO BE REQUIRED.

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